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ALSO A LIST OF THE

SCIENTIFIC SOCIETIES OF AMERICA.

EDITED BY

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ABBREVIATIONS.

Acad., Academy.
Agric., Agriculture.
Ala., Alabama.
Am., American.
Anat., Anatomy.
Analyt., Analytical.
Anth., Anthropology.
Antiq., Antiquities.
Arach., Arachnida.
Arch., Archæology.
Ariz., Arizona.
Ark., Arkansas.
Ast., Astronomy.
Asst., Assistant.
Biol., Biology.
Bot., Botany.
Bryol., Bryology.
C., Collection.
Cal., California.
Carab., Carabidæ.
Carb., Carboniferous.
Ceramb., Cerambycidæ.
Chem., Chemistry.
Cicind., Cicindelidæ.
Cin., Cincinnati.
Colo., Colorado.
Coleopt., Coleoptera.
Coll., College.
Comp., Comparative.
Con., Conchology.
Ct., Connecticut.
Crypt., Cryptogamic.
Crystal., Crystallography.
Cur., Curator.
Cus., Custodian.
Dak., Dakotah.
D. C., District of Columbia.
Del., Delaware.
Dept., Department.
Devon., Devonian.
Dipt., Diptera.
Dir., Director.
Dist., Distribution.
Econ., Economic.
Elect., Electricity.
Emb., Embryology.
Ent., Entomology.
Esp., Especially.
Eth., Ethnology.
Ethnog., Ethnography.
Ex., Exchange.
Fla., Florida.
Ga., Georgia.
Gen., General.
Geog., Geographical.
Geol., Geology.
Held., Helderberg.
Hemipt., Hemiptera.
Herpetol., Herpetology.
Histol., Histology.
Hort., Horticulture.
Hymenop., Hymenoptera.
Ia., Iowa.
Ichth., Ichthyology.
Ill., Illinois.
Ind., Indiana.
Invert., Invertebrates.
Inorg., Inorganic.
Inst., Institute.
Kan., Kansas.
Ky., Kentucky.
L., Lower.
La., Louisiana.
L. & F. W., Land and Fresh Water.
Lepid., Lepidoptera.
Lithol., Lithology.
M., Marine.
Mam., Mammalogy.
Mass., Massachusetts.
Math., Mathematics.

Md., Maryland.
Me., Maine.
Med., Medical.
Meteo., Meteorology.
Met., Metallurgy.
Mic., Microscopy.
Mich., Michigan.
Min., Mineralogy.
Minn., Minnesota.
Miss., Mississippi.
Mo., Missouri.
Moll., Mollusks.
Mont., Montana.
Mus., Museum.
Nat. Hist., Natural History.
N. C., North Carolina.
Neb., Nebraska.
Neuropt., Neuroptera.
Nev., Nevada.
N. H., New Hampshire.
Niag., Niagara.
N. J., New Jersey.
N. M., New Mexico.
N. Y., New York.
O., Ohio.
Obs., Observatory.
Ool., Oology.
Ophthal., Ophthalmology.
Ore., Oregon.
Org., Organic.
Orn., Ornithology.
Orthopt., Orthoptera.
Osteol., Osteology.
Palæo., Palæontology.
Pathol., Pathological.
Pa., Pennsylvania.
Phæn., Phænogamic.
Philol., Philology.
Phil., Philosophy.
Photog., Photography.
Phys., Physics.
Piscol., Piscology.
Pres., President.
Prof., Professor.
R. I., Rhode Island.
S. C., South Carolina.
Sec., Secretary.
Sci., Science.
Sil., Silurian.
So., Southern.
Soc., Society.
Sp., Species.
Spec., Specimens or Specialty.
Strat., Stratigraphical.
Surv., Survey.
Syst., Systematic.
Tax., Taxidermy.
Tech., Technical, Technology.
Tenn., Tennessee.
Tex., Texas.
U., Upper.
Univ., University.
Va., Virginia.
Vasc., Vascular.
Veg., Vegetable.
Vert., Vertebrates.
Vt., Vermont.
Wis., Wisconsin.
Wash. Ter., Washington Territory.
W. T., Wyoming Territory.
W. Va., West Virginia.
Zool., Zoology.

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1689 Haanel, Prof. E., Ph.D., Victoria Univ., Cobourg, Ontario, Can. *Chem., Phys., Min.**

1690 Haberer, Joseph V., M.D., 66 Miller St., Utica, N. Y. *Bot., Cyperaceæ* (spec. carex), *Comp. Anat.* C. Rare plants for ex. Solicits correspondence. Desires caricæ from all parts of the world.*

1691 Habirshaw, Fred., 6 West 48th St., New York, N. Y. *Diatomaceæ.* C. Ex.

1692 Habirshaw, John, M.D., F.R.M.S., 137 E. 46th St., New York, N. Y. *Mic., Vert.* C.

1693 Hacker, Wm., 233 So. 4th St., Philadelphia, Pa. *Orn., Bot.* C. Ex.*

1694 Hagan, Miss Jennie B., So. Royalton, Vt. *Shells, Min.* C. Ex.*

1695 Hagen, H. A., M.D., Ph.D., Prof. Harvard Univ., Asst. Mus. Comp. Zool., 7 Putnam Ave., Cambridge, Mass. *Ent.* Ex. *Biological specimens. Neuroptera, Pseudo-neuroptera.**

1696 Hageny, John H., The Dalles, Wasco Co., Ore. *Con., Ent.* Ex.

1697 Hager, Albert D., 463 S. Leavitt St., Chicago, Ill. *Geol.* C.*

1698 Hague, James D., Mining Engineer, 18 Wall St., New York, N. Y. *Geol., Min., Lithol., Chem., Metal.**

1699 Haight, E. M., Riverside, Cal. *Orn., Ool., Tax, Min., Fossils, Curiosities.* C. Ex. Eggs and skins.*

1700 Hailes, Wm., M.D., 197 Hamilton St., Albany, N. Y. *Embryology, Normal and Pathological Histol.* C. Ex.*

1701 Haimbach, Frank, 2315 Thompson St., Philadelphia, Pa. *Ent.: Lepid., Coleopt., Hymenopt.* C. Ex.

1702 Haines, Benjamin, Elizabeth, N. J. *Min., Arch.* C. Ex.

1703 Haines, E. M., Pleasant Grove, Pa. *Orn.* C. Ex.

1704 Haines, H. Cope, Haines St., Germantown, Phila., Pa. *Bot.**

1705 Haines, H. F., 1259 Waverly Place, Elizabeth, N. J. *Ool.* C. Ex.

1706 Haines, Reuben, Wayne St., Germantown, and 738 Sansom St., Philadelphia, Pa. *Analyt. Chem.**

1707 Hake, E. G., M.D., New Cumberland, Cumberland Co., Pa. *Bot.* (*Crypt.*), *Zool., Mic.* C. Ex.

1708 Halberstadt, A. G., 270 Seventh St., New York, N. Y. *Am. and Foreign Stamps.**

1709 Hale, Albert C., Pres. Colorado State School of Mines, Golden, Colo. *Crystal., Lithol., Chem., Met.* C. Ex.

1710 Hale, Horatio, Clinton, Ont., Can. *Anth., Arch., Eth., Ethnog., Philol.**

1711 Hale, Prof. L. B., Girard Ave., Philadelphia, Pa. *Mic.*

1712 Hale, Philip L., 39 Highland St., Roxbury, Mass. *Ferns, Algæ, Orn.* Ex.

1713 Hale, William H., Ph.D., 50 Clinton Ave., Albany, N. Y. *Gen. Biol., Anth., Comp. Philol.**

1714 Hall, A., East Rockport, Ohio. *Orn.* Birds of Cal. and New Mex. especially desired. Will pay cash for rare species. C. Ex.*

1715 Hall, Prof. A. Burdick, Bath, Mich. *Bot.*

1716 Hall, Alex. P., M.D., Mobile, Ala. *Bot., Mic. in Med., Mic. and Comp. Anat., Ent.: Hemipt. esp. Diaspinæ, Lecaninæ, Coccinæ.**

1717 Hall, Asa F., Hudson, Mass. *Min., Geol.* C. Ex.*
1718 Hall, Prof. Asaph, U. S. Naval Observ., Washington, D. C.
1719 Hall, Rev. C. H., D.D., 157 Montague St., Brooklyn, N. Y. *Bot.* C. Ex.*
1720 Hall, C. W., Prof. Univ. Minn., 904 Univ. Ave., Minneapolis, Minn. *Min., Geol., Lithol.* C. Ex.*
1721 Hall, Edwin B., Wellsville, Allegany Co., N. Y. *Ferns.* C. Ex.*
1722 Hall, Henry G., Savoy, Champaign Co., Ill. *Orn., Tax., Ent.* C. Ex.*
1723 Hall, Isaac H., 725 Chestnut St., Philadelphia, Pa. *Bot.: Ferns, Orchids.* C.
1724 Hall, James, State Geologist and Director of State Mus. Nat. Hist., Albany, N. Y. *Geol., Palæo.* C. Ex. Will send Mus. publications in return for books or collections for State museum.*
1725 Hall, James A., Watsonville, Santa Cruz Co., Cal. *Gen. Sci.*
1726 Hall, John W., Jr., Covington, Ky. *Palæo., Min.* C. Ex.*
1727 Hall, L. B., Ph.D., Haverford College, Montgomery Co., Pa. *Chem., Phys.**
1728 Hall, L. Brewer, M.D., 17 South 16th St., Phila., Pa. *Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Algæ, Desmids, Diatoms.**
1729 Hall, Marvin C., Freedom Station, Ohio. *Stone relics and fossils, Palæo., Arch.* C.
1730 Hall, Newton, 2nd, A.B., L.B.8, Syracuse, N. Y. *Diatoms, Phys., Geol., Mic.* C. Ex.*
1731 Hall, Capt. W. P., 2134 W. 3d St., Davenport, Ia. *Arch.*
1732 Hall, W. T., Guyandotte, W. Va. *Min., Palæo.* C. Ex.
1733 Hallock, A. P., Ph.D., N. Y. Gas Light Co., 21st St. and Ave. A., New York, N. Y.*
1734 Hallock, Prof. E. J., Ph.D., Peekskill, N. Y. *Chem.**
1735 Hallowell, Susan M., Prof. Bot., Wellesley Coll., Wellesley, Mass.*
1736 Halsey, Amelia L., La Fayette, Stark Co., Ill. *Orn.*
1737 Halsted, Byron D., office of "American Agriculturist," 751 Broadway, New York, N. Y. *Crypt. Bot.**
1738 Halsted, William S., M.D., Columbia Coll., New York, N. Y. *Anat.*
1739 Ham, G. E., 7 Silver St., Worcester, Mass. *Coleopt.**
1740 Hambach, G., M.D., 1419 Lami St., St. Louis, Mo. *Palæo., Bot.* C.
1741 Hamblin, Floyd, Boonville, Oneida Co., N. Y. *Min.* C.*
1742 Hambly, D. W., Spanish Ranch, Plumas Co., Cal. *Geol., Min., Met., Gen. Biol.* C. Ex.
1743 Hamel, Thomas E., M.A., Prof. Faculty of Arts, Laval Univ., Quebec, Can. *Nat. Phil.**
1744 Hamill, Alexander, M.D., Baldwinsville, N. Y. *Arch.* C. Ex.*
1745 Hamilton, C. W., Brimfield, Ill. *Orn., Geol.* C. Ex.*
1746 Hamilton, Edwin H., Petersburg, Ill. *Ool., Nat. Hist.**
1747 Hamilton, Hugh, B.Sc., M.D., 212 So. 2d St., Harrisburg, Pa. *Chem., Geol.* C.*
1748 Hamilton, John, M.D., 18 Ohio St., Allegheny, Pa. *Coleopt.* C. Ex.*

1749 Hamilton, W. N., Greencastle, Ind. *Math.*
1750 Hamlin, A. C., M.D., Bangor, Me. *Min., Palæo., Arch., Gen. Nat. Hist.* C. Ex.
1751 Hamlin, Chas. E., Mus. Comp. Zool., Cambridge, Mass. *Recent and Fossil Marine Mollusca.**
1752 Hamlin, D. A., Allston, Mass. *Bot., Mic.**
1753 Hamlin, F. M., M.D., 9 William St., Auburn, N. Y. *Mic., Con.* C. Ex. Bermuda and W. I. sea-shells in ex. for L. and F. W. and other marine shells. Also mic. objects generally.*
1754 Hammond, H. A., Jr., West DePere, Wis. *Orn.**
1755 Hampton, C. J., Junius, Seneca Co., N. Y. *Orn., Min., Moll.* C. Ex.*
1756 Hanaman, C. E., 1 Gale Pl., First St., Troy, N. Y. *Histol.* C. Ex.
1757 Hance, Theo. F., M.D., 191 Fulton St., New York, N. Y. *Histol.* C.
1758 Hancock, E. M., Waukon, Ia. *Orn., Ool., Ent.**
1759 Hancock, Joseph L., 2555 Michigan Ave., Chicago, Ill., Curator for Ridgway Orn. Club. *Orn., Tax., Zool.**
1760 Hancox, H. A., Spencerport, N. Y. *Gen. Nat. Hist.* C.
1761 Hanke, Henry C., Minneapolis, Min. *Orn., Ool.* C. Ex.
1762 Hankenson, E. L., Newark, Wayne Co., N. Y. *Bot., Salices, Carices.* C. Ex. local for other plants.*
1763 Hanks, Henry G., State Mineralogist, and Dir. State Mus., 1124 Greenwich St., San Francisco, Cal. Ex. for State Mus.*
1764 Hanna, George B., Asst. Assayer U. S. Assay Office, Charlotte, N. C. *Min. Engineering, Met. and Min., Chem.* C. Ex. Mostly ores, but desires cabinet specimens in ex.*
1765 Hannum, Frank A., Easthampton, Mass. *Orn., Ool.* C. Ex.*
1766 Hanson, James F., Fremont, Neb. *Bot., Geol.**
1767 Harbison, W. F., Spencerville, Allen Co., Ohio. *Arch., Geol., Moll., Palæo.* C. Ex,
1768 Harbron, George, P. O. Box 181, Hamilton, Ohio. *Tax.* C. Ex.*
1769 Harcourt, Jay, Wappinger's Falls, N. Y. *Ast.*
1770 Hardaway, R. A., Ala. Agric. and Mech. Coll., Auburn, Ala. *Engineering.*
1771 Harden, John H., M.E., Phœnixville, Pa. *Expert in Min. Eng.* C. Ex.*
1772 Hardin, Robert A., M.D., Savannah, Hardin Co., Tenn. *Mic., Zool., Gen. Biol.* C. Ex.*
1773 Harding, Henry, Bridgeport, Ct. *Geol., Min.*
1774 Hardy, Arthur S., Ph.D., Dartmouth Coll., Hanover, N. H. *Math.*
1775 Hardy, E. R., 420 Congress St., Portland, Me. *Mam., Orn., Reptiles.* C.
1776 Hardy, Manly, Brewer, Me. *Orn.* C. Ex.*
1777 Hare, Prof. R. B., Ph.D., Agric. Coll., Guelph, Ont., Can. *Chem., Geol.*
1778 Hare, Sidney J., 1017 Grand Ave., Kansas City, Mo. *Palæo., Ent., Min., Geol.*
1779 Haren, Wm. A., 1400 Hickory St., St. Louis, Mo. *Mic., Ast.* C. Ex. mic. slides.*

1780 Harger, Oscar, 14 University Place, New Haven, Ct. *Isopod Crustacea, Palæo.**
1781 Hargrave, C., Rockville, Ind. *Articulata, Moll., Geol.* C. Ex.
1782 Hargreaves, H. B., Box 19, Garnerville, Rockland Co., N. Y. *Mic.: Sections of wood.* C. Ex.
1783 Harkness, H. W., M.D., Grand Hotel, San Francisco, Cal. *Micros., Fungi.* C.
1784 Harper, Esmonde, 2035 Wallace St., Philadelphia, Pa. *Orn., Ool.* C. Ex.
1785 Harper, George W., Principal Woodward High School, Cincinnati, Ohio. *Geol., Con., Palæo.* C.
1786 Harr, W. H., Judge of Probate Court, Hamilton, Butler Co., O. *Arch., Geol., Palæo.* C. Ex.*
1787 Harriman, M. C., Warner, N. H. *Orn., Ent., Photography.* C. Ex.
1788 Harrington, B. J., B.A., Ph.D., Prof. of Mining, McGill College, Montreal, Can. *Min.* C. Ex.
1789 Harrington, Chas., M.D., Asst. Chem., Harvard Med. Coll., Boston, Mass. *Med. Chem. and Tox.**
1790 Harrington, Mrs. Lucy J., Carlinville, Ill. *Bot.* C.
1791 Harrington, M., Homestead, Iowa Co., Ia. *Ool.**
1792 Harrington, Prof. Mark W., Dir. of Obs., Ann Arbor, Mich. *Ast., Met.**
1793 Harrington, Rev. W. H., Stillwater, Minn. *Arch., Orn.*
1794 Harrington, W. Hague, P. O. Dept., Ottawa, Can. *Ent.* C. Ex. Coleoptera.
1795 Harris, De Witt S., Cuba, Fulton Co., Ill. *Mic., Arch., Ent.* C. Ex.*
1796 Harris, Elijah P., Ph.D., Prof. Chem., Amherst Coll., Amherst, Mass.
1797 Harris, I. H., Waynesville, Ohio. *Geol., Palæo., Arch.* C. Ex.*
1798 Harris, Sarah C., M.D., Galena, Ill. *Bot., Min., Palæo.* C. Ex.
1799 Harrison, Edwin, B.S., St. Louis, Mo. *Geol.**
1800 Harrison, Frank S., Princeton, Ill. *Bot.. Geol., Arch.* C. Ex.*
1801 Harrison, George B., 520 Mulberry St., Bloomington, Ill. *Geol.*. C. Ex.*
1802 Harrison, J. B., Franklin Falls, N. H. *Bot., Geol.* C. Ex.*
1803 Harrison, W. G., M.D., 69 Centre St., Baltimore, Md. *Mic.**
1804 Harrod, P., M.D., Avon, Fulton Co., Ill. *Ool.* C. Ex.*
1805 Hart, Chas. A., Normal, Ill. *Con., Bot., Geol.* C. Ex. Marine specimens desired.
1806 Hart, Chas. P., Wyoming, Ohio. *Biol., Alienist and Neurologist.**
1807 Hart, Edward, Ph.D., Prof. Chem., Easton, Pa. *Chem.*
1808 Hartman, John H., Lebanon, Warren Co., Ohio. *L. and F. W. Shells, Cin. Fossils,* for ex. in *Palæo., Ferns, Min.* C.
1809 Hartman, W. D., M.D., Westchester, Pa. *Con.* C.*
1810 Hartt, Mrs. Charles Fred., 118 Park St., Buffalo, N. Y. *Geol., Min., Pottery, Antiquities.* C.
1811 Hartwell, Edw. M., Ph.D., M.D., Instructor in Phys. Culture, Johns Hopkins Univ., Baltimore, Md. *Biol.**
1812 Hartzler, Prof. J. C., Newark, Ohio. *Arch., Geol.. Palæo.* C.

1813 Harvey, F. L., B.S., Prof. Biology and Geology, Ark. Indust. Univ., Fayetteville, Ark. *Bot., Zool., Geol., Min.* C. Ex.*
1814 Harvey, Leon F., M.D., Buffalo, N. Y. *Lepid.* C.
1815 Harvey, William, Bradford, Stark Co., Ill. *Bot.* C.*
1816 Haskell, Miss C. C., Teacher Nat. Sci., Montgomery Co., Pa.*
1817 Haskell, Charles H., Holland Patent, Oneida Co., N. Y. *Palæo., Min.* C.
1818 Haskell, Joshua P., Marblehead, Mass. *Min., Con., Bot.*
1819 Haskins, Rev. David Greene, S.T.D., 839 Main St., Cambridge, Mass. *Hydrodynamics.**
1820 Haskins, J. P., Proprietor Saratoga Co. Mus. of Nat. Hist., L. B. 432, Saratoga Springs, N. Y. *Geol., Min., Arch., Palæo.* C. Ex.*
1821 Hasse, H. E., M.D., 301 Grove St., Milwaukee, Wis. *Bot.* C. Ex.*
1822 Hassler, Ferdinand A., M.D., Ph.D., Santa Ana, Los Angeles Co., Cal. *Phæn. Bot., Geog. Dist., Mollusks.* C.*
1823 Hastings, Wm. N., Rochester, Strafford Co., N.H. *Desmids, Diatoms, Mic., Protozoa, Infusoria.* C.*
1824 Hatch, C. C., Community, N. Y. *Orn.* C.
1825 Hatch, Deloss, Oak Centre, Wis. *Orn.* C. Ex. birds' eggs and skins for same, and mins., shells, etc.*
1826 Hatch, Mrs. Deloss, Oak Centre, Wis. *Ool.* C. Ex.
1827 Hatch, Henry, M.D., Quincy, Ill. Prof. Anat., Chaddock Coll., *Mic., Anat., Hist. of Vert.**
1828 Hatch, P. L., Minneapolis, Minn. *State Ornithologist.**
1829 Hatch, S. R., Milford, Mass. *Diatoms, Min., Mic., Photog., Infusoria, Electricity.* C. Ex.
1830 Hathaway, T. F., So. Paris, Oxford Co., Me. *Bot., Woods a specialty.* C. Ex.
1831 Haupt, H., Jr., M.D., Ph.D., "The Rogers Engineering Library," Univ. of Pa., Philadelphia, Pa. *Geol., Bot.* C. Ex.
1832 Hawkes, Wm. H., M.D., 1330 N. Y. Ave., Washington, D. C. *Philology.**
1833 Hawkins, Thomas H., M.D., Denver, Colo. *Physiol.*
1834 Hawley, Geo. D., Augusta, Hancock Co., Ill. *Palæo., Geol., Min., Ent.* C. Ex.*
1835 Hawley, Mrs. Helen D., Round Grove, Whiteside Co., Ill. *Bot., Ferns, Mosses, Geol., Min.* C. Ex.*
1836 Hawley, Miss Minnie, Bristol, Ct. *Min.*
1837 Hawley, Rev. R. E., M.A., Washington, Ind. *Indian relics, Cin. and Carb. Fossils and Goniatites.* C.
1838 Hawley, R. V., 117 Jefferson St., Cleveland, Ohio. *Ent.**
1839 Haworth, Alphonso, Mayport, Fla. *Marine Shells.* C. Ex.*
1840 Haworth, E., Prof. Physics, Oskaloosa, Iowa.*
1841 Hay, George U., St. John, N. B., Can. *Bot.* C. Ex.
1842 Hay, O. P., Prof. Nat. Hist., Butler Univ., Indianapolis, Ind. *Comp. Anat., Fishes, Crustacea.* C. Ex.*
1843 Hayden, F. V., M.D., LL.D., U. S. Geologist, 1803 Arch St., Philadelphia, Pa. *Geol.**
1844 Hayden, Rev. Horace E., Wilkes-Barre, Pa. *Bibliog., Arch., Numismatics.* C. Ex.*

1845 Hayden, N. W., Windsor Locks, Hartford Co., Ct. *Bot.* C. Ex.*
1846 Hayes, A. L., Cañon City, Col. *Ool.* C. Ex.*
1847 Hayes, Charles E., cor. Main and Dyre Sts., Frankford, Philadelphia, Pa. *Orn.*, *Ool.* C. Ex.
1848 Hayes, Prof. E. A., Randolph, N. Y. *Geol.*, *Min.*, *Phys.*, *Ast.* C. Ex.*
1849 Hayne, Arnold, U. S. Geol. Surv., Washington, D. C. *Geol.*, *Lithol.**
1850 Haynes, Prof. Henry W., 239 Beacon St., Boston, Mass. *Arch.*
1851 Hayt, H. W., Med. Electrician, Lowville, N. Y. *Mam.*, *Orn.* C. Ex.*
1852 Hayward, E. J., Santa Barbara, Cal. *Orn.*, *Ent.*, *Indian relics*, *Tarantulas and Tarantula nests.*
1853 Hayward, Roland, care Boston Zool. Soc., Boston, Mass. *Ent.: Coleopt.*, *Hymenop.* C. Ex.*
1854 Hazard, John N., Peace Dale, R. I. *Analyt. Chem.**
1856 Hazard, R. G., 2d, Peace Dale, R. I. *Ool.* C.*
1857 Hazard, Willis P., West Chester, Chester Co., Pa. *Agric.*, *Mic.*, *Bibliog.*, *Zool.*, *Gen. Biol.*, *Mammals*, *Orn.*
1858 Hazen, Miss Frances M., Mt. Holyoke Female Seminary, South Hadley, Mass. *Bot.*
1859 Hazen, Henry Allen, A.M., Washington, D. C. *Elect.*, *Mic.*, *Meteorol.*, *Ast.**
1860 Hazen, Levi, West Hartford, Vt. *Min.* C.*
1861 Hazen, Gen. W. B., Chief Signal Officer U. S. A., Washington, D. C. *Meteorology.**
1862 Heading, Alice J., Peoria, Ill. *Bot.* C. Ex.*
1863 Hecox, Laura J. F., Santa Cruz, Cal. *Con.* C. Cal. shells in ex. for L. and F. W. shells and fossils.*
1864 Hedge, Frederick H., Jr., Public Library, Lawrence, Mass. *Bot.**
1865 Hedley, George H., Medina, N. Y. *Orn.*, *Ool.* C. Ex. for birds of the Northwest, sea birds and foreign birds. Foreign correspondence solicited. Local mammals in ex. for bird skins.*
1866 Heffner, Prof. George H., Kutztown, Berks Co., Pa.
1867 Heighway, A. E., M.D., 86 W. 7th St., Cincinnati, Ohio. *Chem.*, *Geol.*
1868 Heighway, A. E., Jr., M.D., 86 W. 7th St., Cincinnati, Ohio. *Min.*, *Geol.*, *Mic.*, *Lithol.* C. Ex.
1869 Heighway, S. C., 86 W. 7th St., Cincinnati, Ohio. *Coleopt.*, *Fossils and Relics.* C. Ex.
1870 Heiligbrodt, L., Bastrop, Texas. *Lepid.*, *Hymenop.*, *Coleopt.*, *Reptiles.* C.*
1871 Heilprin, Angelo, Prof. Invert. Palæo. and Cur.-in-charge Acad. Nat. Sci., Philadelphia, Pa.*
1872 Heimstreet, Thomas B., M.D., 132 2d St., Troy, N. Y. *Orn.*, *Gen. Zool.* C. Ex.
1873 Heitzmann, Dr. Carl, 39 W. 45th St., New York City, N. Y. *Biol.*, *Mic.*, *Dermatol.**
1874 Helme, James W., Jr., Adrian, Mich. *Orn.*, *Tax.* C.
1875 Helmuth, Dr. Carl A., 206 Ohio St., Chicago, Ill. *Zool.*, *Bot.*, *Mic.*
1876 Hemphill, Henry, San Diego, Cal. *Moll.* C.

1877 Henderson, George A., Decatur, Ill. Manufacturer of Physical and Chemical Apparatus.*
1878 Henderson, Judge John G., Winchester, Scott Co., Ill. *Anth., Orn.* C. Ex.
1879 Henderson, Dr. J. P., Newville, Richland Co., Ohio. *Arch., Eth.* C.*
1880 Henderson, L. T., Marysville, Ohio. *Lepid., Coleopt.* C. Ex.
1881 Henderson, Louis F., 471 7th St., Portland, Ore. *Phæn. Bot., Ferns.* C. Ex.
1882 Henry, J., Salina, Kans. *Grasses of the world.* C. Ex.*
1883 Henry, Joseph K., P. O. Box 263, Salina, Kan. *Gen. Bot., Hort., Agric.**
1884 Henry, W. A., Prof. Agric. Univ., Wisconsin, Madison, Wis.*
1885 Henry, William T., Mineral Point, Wis. *Min., Palæo.* C. Ex.
1886 Henshall, J. A., M.D., Cynthiana, Ky. *Ichth.**
1887 Henshall, Mrs. J. A., Cynthiana, Ky. *Ichth., Palæo., Con., Ent.**
1888 Henshaw, H. W., Smithsonian Institution, Washington, D. C. *Orn., Eth.* C. Ex.
1889 Henshaw, Samuel, 77 Newbury St., Boston, Mass. *Ent.: Myriopoda.*
1890 Herbert, W. S. B., Lynn, Mass. *Ent.: Coleopt.* Ex.*
1891 Herdman, W. J., Ph.D., M.D., Ann Arbor, Mich. *Anat., Ethnol., Anth.*
1892 Hermann, Richard, Dubuque, Ia. *Geol., Palæo.* Fossils from Galena limestone a specialty. C. Ex.*
1893 Heron, Gilbert C., C.E., Corsicana, Navarro Co., Texas. *Con.*
1894 Herrick, C. L., B.S., 81 So. 6th St., Minneapolis, Minn. *Invert., Mam., Bot.* C. Ex.*
1895 Herrick, F. M., Princeton, Ill. *Geol., Min.* C. Ex.
1896 Herrick, Francis H., Tilton, N. H. *Orn., Bot.* C. Ex.*
1897 Herrick, Harold, Lawrence, Queens Co., N. Y. *Orn.* C.*
1898 Herron, R. P., Banning, Cal. *Orn., Ool., Tax.* C. Ex.*
1899 Hervey, Rev. A. B., Taunton, Mass. *Mic., Crypt. Bot., Marine Algæ in particular.* C. Ex.*
1900 Herzer, Rev. H., Berea, Ohio. *Crypt. Bot., Mosses, Palæo., Geol., Mic., Orn.* C. Ex.
1901 Hess, F., Fort Dodge, Ia. *Ast., Surveyor and Civil Engineer.*
1902 Hess, Frank W., 3d Artillery, U. S. A., address Allegheny College, Meadville, Pa. *Orn.* C. Ex.
1903 Heuser, H. J., Wytheville, Wythe Co., Va. *Antiquities, Min.* C.*
1904 Heustis, Mrs. Caroline E., Carleton, St. John, N. B., Can. *Ent.: Lepid.* C.
1905 Hexamer, C. John, B.S., C.E., 2313 Green St., Philadelphia, Pa. *Anth., Arch., Eth., Ethnog.* C. Ex.*
1906 Hexamer, F. M., M.D., New Rochelle, N. Y. *Bot., Con.* C.*
1907 Heyward, James A., A.M., Prof. Nat. Sci., Claflin Univ., Orangeburg, S. C.
1908 Hibbard, William N., Hyde Park, Ill. *Coleopt.* C.*
1909 Hickman, John Beal, San Juan, San Benito Co., Cal. *Tax., Phæn. Bot., Ferns, Hort.* C. Ex.
1910 Hicks, Gilbert H., Oakley, Saginaw Co., Mich. *Orn., Ent.* C. Ex.

1911 Hicks, Prof. L. E., Granville, Ohio. *Invert. Palæo., Geol., Lithol.* C. Ex.*
1912 Hidden, Wm. Earl, Stony Point, Alexander Co., N. C. *Min., Cryst., Gen. Sci.* (N. Y. address, 142 Broadway.)
1913 Higgins, F. W., Woodmere Cemetery, Detroit, Mich. *Bot., Met.*
1914 Higginson, Charles M., Care C. B. & Q. R.R., Chicago, Ill. *Min.* C. Ex.*
1915 Higley, W. Kerr, Ph.D., Lake Geneva Seminary, Lake Geneva, Wis. *Bot.* C.*
1916 Hildebrand, Charles, Yale Coll., 34 Chestnut St., New Haven, Ct. *Math.*
1917 Hilder, Frank F., 1415 Bremen Ave., St. Louis, Mo. *Palæo., Geol., Anth., Arch., Eth., Ethnog.* C.*
1918 Hilgard, Eug. W., Prof. of Agric. Chem., Berkeley, Cal. *Agric. Chem., Phys., Geol.* Col. in Bot.*
1919 Hill, Charles F., Hazleton, Luzerne Co., Pa. *Palæo.* C. Ex. Anthracite fossils for other good specimens.
1920 Hill, Col., D. F., Pres. Acad. Nat. Sci., Ottawa, Ill. *Geol., Arch.* C. Ex.*
1921 Hill, Rev. E. J., Englewood, Cook Co., Ill. *Bot., Geol.* C.*
1922 Hill, Edwin A., New Haven, Ct. *Min., Mic.* C. Ex.*
1923 Hill, F. A., Prin. High School, Chelsea, Mass. *Am. Arch.**
1924 Hill, Frank C., M.D., Waupun, Wis. *Diatoms, Min., Chem., Phys., Ast.**
1925 Hill, Franklin C., Box 338, Princeton, N. J. *Geol., Ent., Blackboard Lectures.**
1926 Hill, Frederic A., P. O. Box 155, Valley Falls, R. I. *Pharmacy, Chem., Bot., Mic., Phys., Meteo.**
1927 Hill, G. W., Nautical Almanac Office, Navy Dept., Washington, D.C. *Bot., Ast., Math.**
1928 Hill, Dr. H. H., Cincinnati, Ohio. *Arch., Con., Palæo.* C.
1929 Hill, Henry B., Asst. Prof. Chem., Harvard Coll., Cambridge, Mass.
1930 Hill, Herbert M., 30 William St., Watertown, N. Y. *Geol., Min., Crystal., Lithol., Chem., Mic., Photog.* C. Ex.*
1931 Hill, Jere M., Bangor, Me. *Bot., Geol., Min.* C. Ex.*
1932 Hill, J. Stuart, M.D., Elmira, N. Y. *Orn.* C.*
1933 Hill, Louis C., 266 Randolph St., Detroit, Mich. *Tax.* C. Ex.*
1935 Hill, W. W., Albany, N. Y. *Lepid.* C. Ex. Only perfect examples desired, and the same given in return.*
1936 Hiller, P. C., Conestoga, Lancaster Co., Pa. *Arch.* C. Ex. Will change books, curiosities, etc., for almanacs prior to 1830, Indian relics for Indian relics only. Correspondence solicited.*
1937 Hills, W. D., Odin, Marion Co., Ill. *Ool.* C. Ex.*
1938 Himes, Isaac N., M.D., Prof. Med. Coll., Cleveland, Ohio. *Pathol. and Morbid Anat.**
1939 Hind, Prof. H. Y., Windsor, N. S., Can. *Geol.*
1940 Hinde, B. C., A.M., Prof. Phys. Sci., Howard Female Coll., Fayette, Mo. C.*

1942 Hinds, J. I. D., A.M., C.E., Ph.D., Prof. Nat. Sci. and Chem., Cumberland Univ., Lebanon, Tenn. *Chem., Geol.**
1943 Hinds, Wm. A., Community, Madison Co., N. Y. *Bot.* C.
1944 Hinkley, A. A., Dubois, Washington Co., Ill. *L. and F. W. Shells.* C. Ex.*
1945 Hinkley, Holmes, 1 Fairfield St., Boston, Mass. *Ent. : Lepid.**
1946 Hinman, C. W., S.B., 32 Hawley St., Boston, Mass. *Chem.* Gas Inspector for Mass.
1947 Hinman, Chas. D., Columbus Savings Bank Co., Columbus, Ohio. *Ool.* C. Ex.
1948 Hinrichs, G., A.M., M.D., LL.D., Prof. Phys. Sci., State Univ., Iowa City, Ia. *Meteo., Director Ia. weather service.**
1949 Hinsdale, Rev. Robert G., Biloxi, Miss. *Ent. : Lepid.* C. Ex.*
1950 Hipkiss, Geo., Stoneham, Mass. *Min.* C. Ex.
1951 Hiscox, Gardner D., 435 Greene Ave., Brooklyn, N. Y. *Algæ, Desmids, Diatoms, Palæo., Geol., Min., Metall., Mic., Meteo., Ast., Infusoria.* C. Ex.*
1952 Hitchcock, C. H., Prof. Geol., Dartmouth Coll., Hanover, N. H. *Geol., Lithol., Ichnol.* C. Ex.
1953 Hitchcock, Chas., Ware, Mass. *Min., Local Orn.*
1954 Hitchcock, Chas. A., Northeast, Erie Co., Pa. *Geol., Min.* C. Ex. "Cone in Cone" to ex.
1955 Hitchcock, Geo. N., San Diego, Cal. *Astronomy.**
1956 Hitchcock, H., Broad and Pine Sts., Philadelphia, Pa. *Mic., Anat., Phys.*
1957 Hitchcock, Merrill, B.A., Asst. Ast. and Phys., Wesleyan Univ., Middletown, Ct.
1958 Hitchcock, Prof. R., F.R.M.S., National Museum, Washington, D.C. Ed. Am. Monthly Mic.Journal. *Mic., F. W. Algæ.* C.*
1959 Hoadley, John C., 28 State St., Boston, Mass. Engineer and Expert in patent cases. *Geol., Phys., Elect.* C.*
1960 Hobbs, Chas. E., Winter Hill, Somerville, Mass. *Mic., Bot., Diatoms.* Author of Hobb's Botanical List of Crude Vegetable Drugs.
1961 Hobbs, Orlando, Jeffersonville, Clark Co., Ind. *Photography, Assay of Minerals and Ores, Geol., Palæo.* C. Lower Silurian to the Hamilton of the Devon. to ex. for Carb. and overlying formations.*
1962 Hobby, C. M., M.D., Iowa City, Ia. *F. W. Algæ.* C. Ex.*
1963 Hobson, Arthur E., 55 Crown St., Meriden, Ct. *Geol., Min.* Triassic Fossils and Minerals for ex.
1964 Hobson, J. W., Saco, Me. *Horticulture.**
1965 Hobson, Jas., Gibraltar, Mich. *Mam., Orn., Ichth., Reptiles.* C. Ex.
1966 Hochstein, A., Botanical Artist, 58 Seventh St., Hoboken, N. J. *Bot.**
1967 Hodge, F., A.B., A.M., M.D., Hudson, Ohio. *Coleopt.* C. Ex.*
1968 Hodges, G. C., 129 John St., Utica, N. Y. *Chem., Mic.* C. Ex.
1969 Hodges, N. D. C., Salem, Mass. *Phys.**
1970 Hodgin, J. N., 1020 Main St., Richmond, Wayne Co., Ind. *Geol.* C. Ex.*

1971 Hoffman, A. G., Washington, Ill. *Ent.: Lepid.*
1972 Hoffman, C., Rockville, Ct. *Orn., Ool., Tax.* C.*
1973 Hoffman, D. A., M.D., Oskaloosa, Ia. *Geol., Palæo., Ool., Ent., Arch.* C. Ex.
1974 Hoffman, Paul C., Rockville, Ct. *Nat. Hist., Tax.*
1975 Hoffman, Walter J., M.D., Bureau Ethnology, Washington, D. C. *Anth., Vert. Zool., Min.*
1976 Hoffmann, G. C., Asst. Dir. Geological Surv., Ottawa, Can.*
1977 Hoffmeister, Aug. W., M.D., Fort Madison, Lee Co., Ia. *Ent.: Lepid., Coleopt.* C. Ex.
1978 Hoge, Peyton H., A.M., Instructor in Math., Univ. School, 109 8th St., Richmond, Va. *Geol., Bot.* C. Ex.
1979 Holbrook, Alfred, Pres. Nat. Normal Univ., Lebanon, Ohio. *Bot., Palæo., Geol., Min.* C. Ex.*
1980 Holbrook, Francis N., C.E., School of Mines, Columbia Coll., New York, N. Y. *Metallurgy.*
1981 Holbrook, J. J., Keene, N. H. *Geol., Bot.* C. Ex.*
1982 Holbrook, L., Post Office Box 536, New York, N. Y. *Geol.**
1983 Holbrook, M. L., M.D., 13 Laight St., New York, N. Y. Prof. of Hygiene in New York Med. Coll., and Hospital for women, N. Y.*
1984 Holcomb, Benton, West Granby, Hartford Co., Ct. *Con., Ool., Min.* C. Ex. Foreign Marine Shells wanted. Correspondence solicited.*
1985 Holcomb, Irving, West Granby, Ct. *Bot., Anth., Arch., Ool.* C. Ex.*
1986 Holden, E. G. D., Grand Rapids, Mich. *Arch.**
1987 Holden, E. S., Washburn Observ., Madison, Wis. *Ast.*
1988 Holden, Isaac, A.M., Bridgeport, Ct. *Bot.* Making col. for B. Scientific Society.*
1989 Holden, W., 179 Vine St., Cincinnati, Ohio. *Arch., Araneæ.* C.
1990 Holder, J. B., M.D., Cur. Vert. Zool., Am. Museum, Central Park, New York, N. Y.*
1991 Holder, Mary H., Berlin, Mass. *Bot.* C.
1992 Holland, Rev. F. R., Hope, Ind. *Bot., Con.* C.*
1993 Holland, Frank, Manchester, N. H. *Mic., Protozoa, Infusoria.* C.*
1994 Holland, Rev. W. J., Pittsburg, Pa. *Bot., Ent.: Lepid., Coleopt.* Large collection. Desires to ex. or buy insects from all parts of the world, esp. N. A. Also rare books on Lepid.*
1995 Hollick, Arthur, Ph.B., Box 105, New Brighton, Staten Island, N. Y. *Phæn. and Crypt. Bot.* C. Ex.*
1996 Holman, David S., Actuary Franklin Inst., 15 S. 7th St., Philadelphia, Pa. *Mic.**
1997 Holman, G. M., B.S., 27 N. 7th St., Philadelphia, Pa. *Chem., Mic.* C. Ex.
1998 Holman & Perry, Hubbard Block, Indianapolis, Ind. *Gen. Nat. Hist. Coll., Tax.* C. Ex.*
1999 Holman, Silas W., S.B., Asst. Prof. of Physics, Mass. Inst. Tech., Boston, Mass. *Phys., Elect., Mic., Photog., Meteo.**
2000 Holmes, E. S., D.D.S., Grand Rapids, Mich. *Zool.**
2001 Holmes, J. C., 55 Moffat Block, Detroit, Mich. *Ent.* C.*

2002 Holmes, Prof. Jos. A., Chapel Hill, N. C. *Geol., Bot.* C. Ex.
2003 Holmes, Miss Mary E., Box 485, Rockford, Ill. *Bot., Orn., Geol., Mic.* C. Ex.
2004 Holmes, W. H., U.S. Geol. Survey, Nat. Museum, Washington, D. C. *Geol., Arch.*
2005 Holstein, Geo. Wolf, Belvidere, N. J. *Invert. Palæo., Bot., Anth., Arch.* C. Ex.*
2006 Holt, Alfred F., M.D., 98 Austin St., Cambridgeport, Mass. *Histol., Mic. slides of same in ex. for any Mic. objects.**
2007 Holterhoff, G., Jr., Avondale, Cincinnati, Ohio. *Orn., Ool.* C. Ex.*
2008 Holway, E. W., Decorah, Ia. *Fungi, Phœn. Bot., Mic.* C. Ex. fungi.*
2009 Holzinger, John M., Winona, Minn. *Phœn. Bot., Ent.* Ex.
2010 Homes, Henry A., LL.D., State Library, Albany, N. Y.*
2011 Homsher, Geo. W., M.D., Cur. Arch., Brookville Nat. Hist. Soc., Fairfield, Franklin Co., Ind. *Arch.* C. Ex. *Geol.* specimens and shells of Co. for spec. in Arch.
2012 Honeyman, Rev. David, Prof. Geol., Dalhousie Coll., Halifax, N. S., Can. *Geol.*
2013 Hood, E. Lyman, Minneapolis, Minn. *Orn., Ool., Ent., Mic.* C. Ex. for European species.
2014 Hooker, Miss Henrietta E., Mt. Holyoke Female Sem., South Hadley, Mass. *Math., Bot.*
2015 Hooper, Franklin W., Prof. Nat. Sci., Adelphi Acad., 71 S. James St., Brooklyn, N. Y. *Comp. Anat., Physiol.* C. Ex. Algæ and Corals.*
2016 Hoopes, J. S., New Brighton, Beaver Co., Pa. *Mic., Geol.* C.
2017 Hoopes, Josiah, West Chester, Pa. *Bot.: Coniferæ.* C.
2018 Hope, Henry W., Paint P. O., Highland Co., Ohio. *Geol., Arch.* C. Ex.*
2019 Hopkins, F. V., M.D., East Lake, Lake Co., Cal. *Min., Geol.* C.
2020 Hopkins, Florence M., Leavenworth, Kans. *Ferns, Algæ, Palæo., Geol.* C. Ex.*
2021 Hoppin, Miss Ruth, Prof. Bot., Smith Coll., Northampton, Mass. *Bot.* C. Ex.
2022 Horn, George H., M.D., 874 North 4th St., Philadelphia, Pa. *Coleoptera of U. S.* C.*
2023 Horn, H. B., M.D., Atchison, Kan.*
2024 Hornaday, William T., Chief Taxidermist U. S. Nat. Mus., Pres. Soc. Am. Taxidermists, Washington, D. C. *Mam.* Coll. and Tax. in all branches.*
2025 Horne, A. R., D.D., Ed. Nat. Educator, Allentown, Pa. *Bot., Geol., Min., Chem., Phys., Meteo.* C. Ex.*
2026 Horne, Edwin W., 12 E. Main St., Rochester, N. Y. *Mic., Photog.**
2027 Horr, Asa, M.D., Dubuque, Ia. *Bot.* C.*
2028 Horsford, F. H., Charlotte, Vt. *Bot.* C.
2029 Hoskins, William, 223 S. Green St., Chicago, Ill. *Min., Analyt. Chem., Legal Mic.* C. Ex.*
2030 Hosmer, Eliza, Marshfield, Mo. *Bot., Ferns.* Ex.

2031 Hotchkiss, Jed., Ed. of "The Virginias," a mining and industrial journal; consulting Mining Engineer, 346 East Main St., Staunton, Augusta Co., Va. *Geol.*, *Meteo.*, *Physics*, *Arch.*, *Bibliog.*, *Eth.*, *Ethnog.* C.*

2032 Hotchkiss, M. T., 42 E. Onondaga St., Syracuse, N. Y. *Phæn. Bot.*, *Filices.* C. Ex.*

2033 Hoter, Andrew, Dayton, Ohio. *Mic.**

2034 Hough, F. B., Lowville, N. Y. *Bot.**

2035 Hough, G. W., Dir. Dearborn Observatory, Chicago, Ill. *Physics*, *Elect.*, *Mic.*, *Ast.*

2036 Hough, Prof. Jacob Brenneman, M.D., Waynesville, Warren Co., Ohio. *Crypt. Bot.*, *Aquatic plants*, *Chem.*, *Phys.*, *Mic.*, *Photog.*, *Zool.*, *Invert.*, *Radiates*, *Sponges*, *Protozoa*, *Infusoria.* C. Ex. living aquatic plants. Lists furnished.*

2037 Hough, Joseph P., Midland City, De Witt Co., Ill. *Bot.*, *Chem.* C. Ex.

2038 Hough, R. B., Lowville, N. Y. *Orn.*, *Bot.* C.*

2039 Hough, Sam'l J., 29 St. Paul St., Baltimore, Md. *Ent.: Coleopt.* C. Ex.*

2040 Houghton, Charles A., West Medway, Mass. *Orn.* C. Ex.*

2041 Houghton, E. N., East Providence, R. I. *Ool.* C. Ex.*

2042 Houston, George M., Harrisonville, Mo. *Min.*, *Mic.* C. Ex.*

2043 Hovey, C. H., 69 Tremont St., Boston, Mass. *Floriculture*, *Pomology*, *Horticulture.* C. Ex.*

2044 Hovey, C. M., Boston, Mass. *Ferns*, *Mosses*, *Horticulture.* C. Ex.

2045 Hovey, Rev. Horace C., M.D., 1519 Park Ave., Minneapolis, Minn. *Geol.*, *Anth.* C. Ex. crinoids, corals and cave specimens.*

2046 Howard, Cary, 618 8th St., Oakland, Cal. *Coleopt.* C. Ex.

2047 Howard, Daniel N., Medford, Mass. *Chem.*, *Arch.*

2048 Howard, E. M., M.D., B.S., 401 Linden St., Camden, N. J. *Phæn. Bot.*, *Min.*, *Mic.*, *Anat. of Vert.*, *Myol.* C. Ex.*

2049 Howard, L. O., M.S., Asst. Entomologist, Dept. Agric., Washington, D.C. *Econ. Ent.*, *esp. Parasitic Hymenoptera.**

2050 Howard, Prof. Orson, B.S., Salt Lake City. Utah. *Moll.* C. Ex.*

2051 Howard, Sophia E., M.D., Fairport, N. Y. *Gen. Biol.*, *Mic.* Ex.*

2052 Howard, W. H., Sterling, Whiteside Co., Ill. *Geol.*, *Min.* C. Ex.

2053 Howard, Walter H., Adrian, Mich. *Chem.*, *Phys.**

2054 Howe, Allen B., Ph.D., Yale Coll., 138 College St., New Haven, Ct. *Analyt. Chem.*

2055 Howe, E. G., Washington, Ill. *Bot.*, *Zool.*, *Chem.* C. Ex.

2056 Howe, Elliott C., M.D., Yonkers, N. Y. *Bot.: Cyperaceæ*, *Ferns.* *Ent.*, *Biol.* C. Ex. in Bot.*

2057 Howe, Prof. H. A., Denver, Colo. *Math.*, *Ast.**

2058 Howe, Lucien, M.D., 5 West Chippewa St., Buffalo, N. Y. *Mic.*, *Anat.* C. Ex. desired in slides illustrating anatomy and pathology of the eye and ear.*

2059 Howe, Oliver H., Dedham, Mass. *Bot.*

2060 Howell, Edwin E., A.M., Rochester, N. Y. *Min.*, *Geol.*, *Invert. Palæo.**

2061 Howell, Joseph, Sauvie's Island, Multnomah Co., Ore. *Bot.* C.

2062 Howell, Robert, Nichols, Tioga Co., N. Y. *Geol., Palæo., Zool., Arch.* C. Ex.*
2063 Howell, Samuel B., M.D., 1513 Green St., Philadelphia, Pa. Prof. Min. and Geol., Univ. of Pa. *Palæo., Geol., Chem., Min., Lithol., Mic., Photog., Invert.* C. Ex. Particularly desires to obtain Polyzoa, recent and fossil.*
2064 Howell, Thomas J., Arthur, Multnomah Co., Ore. *Bot.* Collects native seeds, bulbs, ferns, etc.*
2065 Howes, Geo. H., Box 99, South Braintree, Mass. *Min., Orn., Ool., Tax.* C. Ex.*
2066 Howey, J. M., Box 317, Canandaigua, N. Y. *Orn., Ool.* C. Ex.*
2067 Howland, Snowdon, Box 206, Newport, R. I. *Ool.* C. Ex. for sets only.*
2068 Hoxie, Walter, Port Royal, S. C. *Orn.*
2069 Hoy, Philo R., M.D., Racine, Wis. *Ent., Herpetol. and Orn. of Wisconsin.* C.*
2070 Hoystradt, Lyman H., Pine Plains, Dutchess Co., N. Y. *Phæn. Bot., Filices, Potamogetons.* C.
2071 Hoyt, Brooks F., Ph.B., Columbus, Neb. *Orn., Nat. Hist.*
2072 Hoyt, L. B., Rockport, Mass. *Orn., Ool., Ent., Bot.**
2073 Huart, Rev. Victor A., Prof. Zool., Sem. Chicoutimi, P. Q., Can. *Ent., Bot., Gen. Nat. Hist.* C. Ex.*
2074 Hubbard, G. F., Boston, Mass. *Bot., Ent.* C. Ex.
2075 Hubbard, G. W., M.D., Prof. of Nat. Sci., Central Tennessee Coll., Nashville, Tenn. *Bot., Geol., Min.* C. Tenn. plants for ex.*
2076 Hubbard, H. G., 114 Griswold St., Detroit, Mich. Winter address Crescent City, Fla. *Coleopt.* C. Ex.*
2077 Hubbard, Lucius, South Bend, Ind. *Ent., L. and F. W. Shells.* C. Ex.*
2078 Hubbard, Oliver Payson, M.D., LL.D., Prof. Chem. and Pharm., Dartmouth Coll., Hanover, N. H.
2079 Hubbard, W. C., 27 West Ninth St., New York, N. Y. *Phys., Chem., Mic.**
2080 Huber, Rev. Ed., 63 N. Broadway, Baltimore, Md. *Mic.* Ex.
2081 Hubregtse, Adrian, 34 Cypress St., Rochester, N. Y. *Bot.* C.
2082 Huckel, Rev. William, 161 Maiden Lane, New York, N. Y. *Bot., Mic.**
2083 Hudson, B., Peterboro', Can. *Mam., Orn., Tax.**
2084 Hudson, Geo. H., Plattsburg, Clinton Co., N. Y. *Papilionidæ, Con., L. and F. W. Shells.* C. Ex.*
2085 Huett, John W., Ottawa, La Salle Co., Ia. *Bot., Geol., Con.* C. Ex.*
2086 Hughes, W. H., 47 Jefferson Ave., Grand Rapids, Mich. *Geol.* C.*
2087 Hulbert, E. M., New Britain, Ct. *Ent.: Lepid., Coleopt.* C. Ex.*
2088 Huling, R. G., A.M., Fitchburg, Mass. *Anth., Arch., Eth., Philol., Ethnog.**
2089 Hull, H. V., M.D., P.O. Box 1199, Schenectady, N. Y. *Mic.**
2090 Hume, John, Eglinton Place, Davenport, Ia. *Geol., Palæo., Arch., Eth.* C. Ex.*
2091 Humphrey, D., M.D., Lawrence, Mass. *Anth., Gen. Biol., Mic.**

2092 Humphrey, Fred, Lawrence, Mass. *Orn., Arch.* C.*
2093 Humphrey, George W., Dedham, Mass. *Bot., Zool.* C.*
2094 Humphrey, James E., No. Weymouth, Mass. *Biol., Bot., Zool., Mic.* Ex. mic. preparations.*
2095 Humphrey, William, Adrian, Mich. *Mic., Micro. Photog.* C. Ex.*
2096 Humphreys, A. W., 71 Columbia Heights, Brooklyn, N. Y. *Geol., Min., Bibliog.* C.*
2097 Humphreys, Fred. H., 109 Fulton St., New York, N. Y. *Gen. Biol., Morphol., Emb. Vert. and Invert.**
2098 Hunt, Andrew M., C.E., care Navy Dept., Washington, D. C. *Petrology.* C.
2099 Hunt, David, Jr., A.M., M.D., 149 Boylston St., Boston, Mass. *Vert. Emb.*
2100 Hunt, George, Box 722, Providence, R. I. *Ent., Bot.* C.
2101 Hunt, George M., C.E., No. Argyle, Washington Co., N. Y. *Geol., Bot.* C.
2102 Hunt, Dr. J. G., Philadelphia, Pa. *Bot., Mic.*
2103 Hunt, J. H., M.D., 36 Arcade, Cincinnati, Ohio. *Mic.* C. Ex.
2104 Hunt, James G., Frankfort, Herkimer Co., N. Y. *Geol., Min.* Ex. for Crystals and Min.
2105 Hunt, T. Sterry, LL.D., F.R.S., Montreal, Can. *Geol., Min., Chem.**
2106 Hunter, D. E., A.M., Washington, Daviess Co., Ind. *Ast.*
2107 Hunter, Jennie, Garnett, Kan. *Palæo.* C. Ex.
2108 Hunter, John L., 21 Grover St., Auburn, N. Y. *Orn., Ool.* C. Ex.
2109 Hunting, A. J., Natick, Mass. *Orn., Ool., Ent.* C. Ex.
2110 Huntington, C. M., Clinton, Oneida Co., N. Y. *Geol.**
2111 Huntington, George S., C.E., 245 Browne St., Cincinnati, Ohio. *Native and foreign land shells. Coleopt.* C. Ex.
2112 Huntley, Dwight B., Tombstone, Ariz. *Met., Chem., Geol., Min., Lithol.* C.
2113 Hurlburt, Edward, Utica, N. Y. *Geol., Palæo.* C. Ex.
2114 Hurlburt, John E., A.M., M.D., Aurora, Ill. *Mic.* C. Ex.*
2115 Hurter, J., 2346 So. 10th St., St. Louis, Mo. *Orn.* C.
2116 Hurty, John, 104 N. Penn St., Indianapolis, Ind. *Chem.**
2117 Hussey, Frederick, East Orange, N. J. *Orn., Ool.* C. Ex.
2118 Hussey, John, Prof. Nat. Sci., Purdue Univ., Lafayette, Ind. *Nat. Hist.* C. Ex.
2119 Huston, Henry A., A.M., A.C., Lafayette, Ind. *Physics and Chemistry.* Ex. Brown Tourmaline, Molybdenite, Garnet.*
2120 Huston, Samuel, B.S., Richmond, Jefferson Co., Ohio. *Geol., Palæo., Phæn. Bot.* Desires Geological papers, books, and reports in ex. for coal measure fossils.*
2121 Hutcheson, David, Library of Congress, Washington, D.C. *Bibliog., Anth., Philol.**
3022 Hutcheson, James M., Young Hickory, Muskingum Co., Ohio. *Bot., Agric., Mic.* C. Ex.*
2123 Hutchins, J. P., Santa Ana, Cal. *Orn., Tax.**
2124 Hutchinson, Edward S., C.E., M.E., 138 So. Third St., Philadelphia, Pa. *Mic.**

2125 Hutchinson, J. H., Warren, Jo Daviess Co., Ill. *Zool.*
2126 Hyams, C. W., Statesville, N. C. *Min., Arch.* C. Ex.*
2127 Hyams, F. D., Statesville, N. C. *Ool., Con.* C. Ex.*
2128 Hyams, M. E., Statesville, N. C. *Bot.* C. Ex.*
2129 Hyatt, Alpheus, Prof. of Palæo. and Zool., Mass. Inst. of Technol., Curator Boston Soc. of Nat. Hist., Boston, Mass. *Zool., Palæo.*
2130 Hyatt, J. D., Morrisania, N. Y. *Bot., Mic.**
2131 Hyatt, James, Stanfordville, Dutchess Co., N. Y. *Chem., Bot., Min., Palæo.* C.
2132 Hyde, G. A., Cleveland, Ohio.
2134 Hyde, Henry C., 411½ California St., San Francisco, Cal. *Diatoms, Mic.* C.*
2135 Hynds, F. P., Ralston Station, Weakley Co., Tenn. *Bot.**
2136 Ickstadt, L., 11th Ave., Washington, D.C. *Lepid.* C. Ex.
2137 Iddings, J. P., U. S. Geol. Surv., Washington, D.C.*
2138 Illig, Hiram L., Millbach, Lebanon Co., Pa. *Arch.* Ex.
2139 Ingalls, Chas. E., East Templeton, Mass. *Orn., Gen. Nat. Hist.* C. Ex.*
2140 Ingalls, M. W., M.D., La Grange, Lorain Co., Ohio. *Fungi, Gen. Biol., Histol. of Vert.**
2141 Ingersoll, Ernest, 298 Lawrence St., New Haven, Ct. *Orn.**
2142 Ingersoll, R. G., 1421 New York Ave., Washington, D.C. *Eth.*
2143 Ingersoll, Seymour R., 1374 Euclid Ave., Cleveland, Ohio. *Ool., Orn., Tax.**
2144 Ingersoll, T. Dwight, 702 State St., Erie, Pa. *Geol.* C. Ex.
2145 Ingram, W. E., Box 155, Odin, Ill. *Ool.* C. Ex.*
2146 Irish, Charles W., Iowa City, Ia. *Civil Engineer.* C.
2147 Irving, Prof. Roland Duer, U. S. Geologist, in charge Surv. of Pre-Camb. Rocks of N. W. States, State Univ., Madison, Wis. *Geol., Min., Microscopic Lithol.**
2148 Isaman, S. G., Lewiston, Idaho. *Bot.*
2149 Isom, J. F., M.D., Cleveland, Ohio. *Ent.: Lepid.* C. Ex.
2150 Jack, Edw., Fredericton, New Brunswick, Can. *Forestry, Min.*
2151 Jack, John G., Chateauquay Basin, P. Q., Can. *Ent.* C. Ex.
2152 Jackson, A. W., Univ. of Cal., Berkeley, Cal. *Min., Mic., Lithol., Geol.* C. Ex.*
2153 Jackson, Prof. C. L., Holworthy 11, Cambridge, Mass. *Chem.*
2154 Jackson, E. E., Columbia, S. C. *Mic.**
2155 Jackson, J. A., Des Moines, Ia. *Ent., Con.* C. Ex.
2156 Jackson, Joseph, Jr., Worcester, Mass. *Bot., Mic.* C. Ex.*
2157 Jacob, Ernest, Box 2836, Denver, Colo. U. S. Geol. Survey. *Geol.*
2158 Jacobs, Chas. P., A.M., Prof. Central Law School, Indianapolis, Ind. *Palæo., Ast., Bibliog.* C. Ex.
2159 Jacobs, F. O., D.D.S., Newark, Licking Co., Ohio. *Phæn. Bot., Mic.* C. of Nat. Seeds. Sections of teeth mounted for mic. Ex.*
2160 Jacques, William W., Ph.D., 95 Milk St., Boston, Mass. *Phys.**
2161 Jæger, H. F., Riverside, Cook Co., Ill. *Bot.**

2162 Jahlberg, Constantin, Ph.D., Chem. Works, Gray's Ferry, Philadelphia, Pa. *Chem.* C. Ex.
2163 James, B. W., A.M., M.D., 18th and Green Sts., Philadelphia, Pa. *Anat., Mam.**
2164 James, Davis L., 177 Race St., Cincinnati, Ohio. *Bot.*
2165 James, Henry, M.D., Belleville, Ont., Can. *Phys., Phys. and Pathol. Chem., Analyt. Geol.* C.
2166 James, I. E. (C. & M. E.), Tombstone, Ariz. *Min., Geol., Mic.* C. Ex.*
2167 James, J. Edwin, West Chester, Pa. *Ool.*
2168 James, Joseph F., 177 Race St., Cincinnati, Ohio. *Bot.* C. Local and California plants for ex.*
2169 James, U. P., 177 Race St., Cincinnati, Ohio. *Palæo., Local Con.* C.*
2170 Jameson, Henry, M.D., Indianapolis, Ind. *Mic., Chem.*
2171 Janney, Reynald, A.B., Wilmington, Ohio. *Phys., Elect., Mic.**
2172 Jasper, Theodore, A.M., M.D., Columbus, Ohio. *Zool., Orn.* C.
2173 Jaudon, Eugene K., Orlando, Orange Co., Fla.*
2174 Jay, J. W., M.D., D.D.S., Richmond, Ind. *Palæo., Arch.* C. Ex. L. Silurian fossils for those of other periods.
2175 Jayne, Horace F., 1826 Chestnut St., Philadelphia, Pa. *Comp. Anat., Zool., Coleopt.* C.
2176 Jefferis, William W., West Chester, Pa. *Min.* C. Have duplicates from all parts of the country, particularly from this and adjoining counties, for ex.*
2177 Jeffries, J. A., care John Jeffries & Sons, 78 Devonshire St., Boston, Mass. *Orn.* C.
2178 Jencks, F. T. (Southwick & Jencks), *Naturalist*, 258 Westminster St., Providence, R. I. *Orn., Ool., Tax.* C. Ex.*
2179 Jenks, Charles W., Boston, Middlesex Co., Mass. *Bot.**
2181 Jenks, John W. P., Prof. and Cur. Mus., Brown Univ., Middleboro, Mass.*
2182 Jenney, Herbert, N. W. cor. 4th and Walnut Sts., Cincinnati, Ohio. *Bot., Ichth.**
2183 Jesup, Rev. Henry G., Prof. Nat. Hist., Hanover, N. H. *Bot.**
2184 Jewell, Theo. F., Lieut. Com. U.S.N., Torpedo Station, Newport, R. I. *Physics.**
2185 Jewett, Charles, M.D., 307 Gates Ave., Brooklyn, N. Y. *Mic., Micro-photography.* C.*
2186 Jewett, F. R., Woodstock, Vt. *Ent.* C.*
2187 Jewett, Fred A., M.D., 307 Gates Ave., Brooklyn, N. Y. *Bot.* C. Ex.*
2188 Jewett, Prof. F. F., A.M., Oberlin Coll., Oberlin, Ohio. *Chem., Min.*
2189 Jewett, H. S., M.A., M.D., 21 So. Ludlow St., Dayton, Ohio. *Chem., Lepid., Bot., Geol.* C. Ex. Lepid. of this region in ex. for those of other localities.*
2190 Jillson, James, Hudson, Mass. *Orn., Tax.*
2191 Job, H. K., 1631 Tremont St., Boston, Mass. *Orn., Ool.* C.*
2192 Johnson, A. E., M.D., Minneapolis, E. D., Minn. *Fungi, Algæ, Desmids, Diatoms, Mic., Anth., Infusoria.* C.*

2193 Johnson, Albert I., Hydeville, Rutland Co., Vt. *Tax., Orn.* C. Ex.*

2194 Johnson, C. A., 174 Lagrave St., Grand Rapids, Mich. *Geol., Min., Palæo.* C. Ex. Gypsum polished or natural for other spec.*

2195 Johnson, C. B., 186 No. Main St., Providence, R. I. *Mic.* C. Ex.*

2196 Johnson, C. E., Salt Lake City, Utah. *Bot., Chem., Physics, Elect., Mic., Photog., Meteo., Ast.* C. Ex.*

2197 Johnson, E. G., Bantam, Clermont Co., Ohio. *Palæo.* Cin. fossils, L. and F. W. Shells, for ex.

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APPENDIX.

4491 Alvord, Maj. Henry E., C. E., Houghton Farm, Mountainville, N. Y. *Agric.* C. Ex.*
4492 Baker, H. J., Oakville, Ont., Can. *Orn.**
4493 Bohl, Otto, Kansas City, Mo. *Orn., Ool., Tax.* C. Ex.*
4494 Bridge, H. A., 154 E. Town St., Columbus, Ohio. *Orn., Con.**
4495 Butterfield, Ralph, A.M., M.D., Kansas City, Mo. *Geol., Palæo., Min.* C.*
4496 Chase, H. H., M.D., Lock Box 73, Geneva, N. Y. *Mic., Esp. Diatoms.* C. Ex.*
4497 Clevenger, Shobal Vail, Cook Co. Insane Asylum, Chicago, Ill. *Gen. Biol., Morph., Histol., Protozoa.* C. Ex.*
4498 Cochrane, Prof. C. B., Chemist, West Chester, Pa.
4499 Dudley, Wm. L , Prof. Chem. and Toxicol., Miami Med. Coll., Cincinnati, Ohio. *Chem., Min., Phys., Elect.**
4500 Elliott, Geo. S., LL.D., Charleston, Mo. *Geol.* C.*
4501 Fitch, Mrs. H. M., Sheridan, Madison Co., Montana. *Bot. : Ferns, Mosses, Algæ, Palæo., Geol., Min., Met., Meteorol., Con., Radiates, Sponges.* C. Ex.*
4502 Frazer, John, 80 Burnet Ave., Cincinnati, Ohio. *Geol., Hort., Pomology.* C. Ex.*
4503 Garnett, Algernon S., M.D., A.M., Hot Springs, Ark. *Chem., Gen. Biol., Emb., Anat.**
4504 Gilbert, G. K., U. S. Geologist, Box 591, Washington, D. C. *Phys., Geol., Barometric Hypsometry.**
4505 Hagemann, John, Prof. Chem., 106 Bank St., Cincinnati, Ohio. *Min., Org. and Inorg. Chem., Met., Mic., Photog.* C. Ex.*
4506 Himes, Charles F., Ph.D., Prof. Nat. Sci., Dickinson Coll., Carlisle, Pa. *Chem., Phys., Photog.**
4507 Hood, Edwin, Old South Church, Boston, Mass. *Dipt.* C. Ex.*
4508 King, Mrs. Amanda, San Luis Obispo, Cal. *Min., Con., Algæ.* C. Ex.*
4509 McAlvin, J. H., C.E., Cur. Min. and Geol. spec., Land Dept., U. P. Ry., Omaha, Nebraska. C. Ex.*
4510 Malleis, W. B., Cedar Mills, P. O., Portland, Oregon. *Orn.* Ex.*
4511 Melzer, Jas. P., Milford, N. H. *Orn., Ent.* C. Ex. skins and lepidoptera.*
4512 Moore, Rich. M., M.D., 63 South Fitzhugh St., Rochester, N. Y. *Mic., Coleopt.* C. Ex.*

4513 Peirce, Warren, Garrettsville, Ohio. *Con., Geol., Min., Ent.* C. Ex. L. and F. W. and Marine Shells for L. and F. W. Shells and Ent. of Ohio.*

4514 Perkins, Karl W., Windsor, Vt. *Philatilist.**

4515 Perot, Elliston J., 5103 Main St., Germantown, Phila., Pa. *Ent.: Lepid., Neuropt.**

4516 Pierce, James O., Memphis, Tenn. *Min., Geog.**

4517 Rust, Horatio N., South Pasadena, Los Angeles Co., Cal. *Arch.* C. Ex.*

4518 Starr, O. Stanley, 420 E. 118th St., New York, N. Y. *Coleopt.* C. Ex.*

4519 Stillman, W. O., A.M., M.D., Albany, N. Y. *Gen. Biology, Mic.**

4520 Thompson, Charles A., Quincy, Branch Co., Mich. *Ferns, Geol., Min., Arch.* C. Ex.*

4521 Uttrich, Lewis, Tiffin, Seneca Co., Ohio. *Lepid.* Raising pupa, etc., for sale and ex. C. Ex.*

4522 Waring, George E., Jr., C.E., Newport, R. I. Consulting Engineer.*

4523 Wilbour, Chas. Edwin Sumner, Little Compton, R. I. Spring and Fall, 164 Boulevard Haussmann, Paris, France. Winter Mus. Boolag, Cairo, Egypt. *Arch., Philol.* Wishes information of any unpublished Egyptian antiquities in private hands, esp. papyri and inscribed monuments.*

4524 Williams, Robert S., Belt Creek via Fort Benton, Mont. *Orn., Bot.* C.*

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CALIFORNIA.

California Academy of Sciences, San Francisco. George Davidson, A.M., Ph.D., Pres.; S. B. Christy, Ph.D., Cor. Sec. Publishes "Transactions" and "Memoirs." Has fine collections and desires exchanges.

California State Geological Society, San Francisco. Incorporated, Dec. 30, 1876. Henry G. Hanks, Pres.; S. Heydenfeldt, Jr., Sec. Annual Meeting, first Monday in December.

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Natural History Society, San Francisco. Wm. H. Barrows, Pres.; William C. Flint, Cor. Sec.

San Diego Lyceum of Natural Sciences. Organized, June, 1873. Robert J. Gregg, M.D., Pres.; George N. Hitchcock, Cor. Sec.*

San Diego Society of Natural History. Organized, Nov. 2, 1874. Geo. W. Barnes, M.D., Pres.; Miss Rosa Smith, Cor. Sec. Library and Collection.

San Diego Historical Society. Organized, 1880. James E. Wadham, Pres.; L. A. Blochman, Sec.

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Geographical Society of Quebec.

Murchison Scientific Society, Belleville, Ont. Organized, 1873. Rev. W. C. Clark, LL.D., Pres.; W. R. Smith, Cor. Sec. Annual Meeting, second Monday in September.*

Natural History Society, Montreal. Dr. Dawson, Pres.; Dr. Edwards, Sec. Collection. Publishes the "Canadian Naturalist and Geologist."
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Ottawa Field Naturalists' Club, Ottawa, Canada. Organized, March, 1879, H. Beaumont Small, M.D., Pres.; W. H. Harrington, Sec.*
Ottawa Literary and Scientific Society, Ottawa. Organized, 1869. W. D. Le Sueur, B.A., Pres.; Paul T. Lafleur, B.A., Sec.*

CONNECTICUT.

Bridgeport Scientific Society. H. N. Powers, D.D., Pres.; F. C. Smith, Cor. Sec. Library.*
Connecticut Academy of Arts and Sciences, New Haven. Incorporated, 1799. Daniel C. Eaton, Pres.; Addison Van Name, Cor. Sec. and Librarian. Publishes "Transactions."*
Field and Forest Club, Southington. W. M. McLaughlin, Pres.; E. R. Newell, Sec.; Dr. J. H. Osborne, Cur. Mrs. Dr. J. H. Osborne, Cor. Sec.*
Meriden Scientific Society. Prof. J. H. Chapin, Ph.D., Pres.; Dr. Chas. H. S. Davis, Sec.*
Middletown Scientific Association. Organized, March 17, 1871. Prof. J. M. Van Vleck, LL.D., Pres.; Thomas H. Eckfeldt, B.A., Cor. Sec.*
New Britain Scientific Assoc. J. H. Peck, Pres.; M. S. Wiard, Sec.*
Waterbury Scientific Society. Organized, October 19, 1868; incorporated July 8, 1869; membership, 70. G. P. Chapman, Pres.; Frederick Wilcox, Treas.*

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Philosophical Society of Washington. Organized, March 13, 1871. J. W. Powell, Pres.; G. K. Gilbert, and H. Farquhar, Secretaries. Publishes "Bulletins." Five volumes have been published.*
Smithsonian Institution. Organized 1846. Spencer F. Baird, Sec.; William J. Rhees, Chief Clerk. Museum, Library, and Gallery of Art. The publications comprise "Contributions to Knowledge," "Miscellaneous Collections," "Annual Reports."*
Society of American Taxidermists (National). W. T. Hornaday, Pres.; F. A. Lucas, Sec., Office of the Executive Comm. U. S. National Museum, Washington, D. C.*

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Academy of Sciences of Southern Illinois, Carbondale. Organized, Dec. 2, 1876; membership, 100.*

Chicago Academy of Sciences. Organized, 1857; incorporated, 1859. Prof. Edmund Andrews, M.D., LL.D., Pres.; Dr. J. W. Velie, 263 Wabash Ave., Sec. and Cur. Museum, library, and collections.*

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Mercer Co. Scientific and Historical Association, Aledo. John Geiger, Pres.; Alexander McArthur, Sec.

Peoria Scientific Association. Dr. E. M. Colburn, Pres.; Dr. Fred. Brendel, Cor. Sec.*

Ridgway Ornithological Club of Chicago. Organized, Sept. 6, 1883. Dr. J. W. Velie, Pres.; Geo. F. Morcum, V. P. and Treas.; H. K. Coale, Sec. Museum and Library.*

Rockford Nat. Hist. Club. Organized, 1880. Dr. F. H. Kimball, Sec.

Rockford Scientific Society. Organized, June 13, 1877; active members, 40. M. S. Bebb, Pres.; J. B. Upson, Sec.*

Sandwich Naturalist Association. Organized, Aug. 14, 1874. N. E. Ballou, Pres.; A. E. Bourne, Sec. Annual Meeting, first Monday in January. Library and Collection.

State Microscopical Society, of Illinois, 263 Wabash Ave., Chicago. Chartered, 1869. Dr. Lester Curtis, Pres.; E. B. Stewart, Cor. Sec. Library and Cabinet.

State Natural History Society of Ills. Organized, 1879. Dr. J. W. Taylor, Kankakee, Pres.; S. A. Forbes, Sec.*

Thomson Library Association, Arch., Min., and Geol. J. M. Williamson, Cor. Sec.

Vermilion Co. (Ill.) Historical Society, Danville. Incorporated, Oct. 23, 1877; membership, 45. Pres., G. C. Pearson; Sec., J. D. Benedict; Cur., H. A. Coffeen.

INDIANA.

Agassiz Club, Lafayette. Organized, May 16, 1877; membership, 16. Prof. John Hussey, Pres.; C. C. McNutt, Sec.

Brookville Society of Nat. Hist. Incorporated, February, 1882. Rev. David R. Moore, Pres.; O. M. Meyncke, Vice Pres.; Amos W. Butler, Sec.; Chas. F. Goodwin, Treas.; Edgar R. Quick, Cor. Sec. Museum and Library. Desires to ex. many duplicate specimens, and asks donations of specimens and publications.*

Indianapolis Lyceum of Natural History. Organized, Oct., 1876. Edward T. Cox, Pres.; Prof. W. Webster Butterfield, M.Sc., M.D. Sec.*

Jeffersonville Natural History Association. Organized, December, 1877. Wm. H. Fogg, Pres.; O. Hobbs, Sec. Annual Meeting in April.*

Richmond Geological Society. Organized, Feb. 2, 1878; membership, 25; A. C. Lindemuth, Pres.; Lida Hadley, Sec.

Western Indiana Historical and Scientific Association, Newport. Organized, Aug. 30, 1875; membership, 20. Prof. John Collett, Pres.; H. H. Conley, Cor. Sec. Museum, Collection, and Library.

IOWA.

Academy of Science, Muscatine, Ia. F. Reppert, Sec.

Agassiz Field Club, Des Moines. Incorporated, 1881. C. R. Pomeroy, Pres.; R. E. Call, Sec.

American Society of Microscopists. Albert McCalla, Fairfield, Iowa, Pres.; D. S. Kellicott, Buffalo, N. Y., Sec.*

Davenport Academy of Natural Sciences, Davenport. Organized, Dec. 14, 1877. E. P. Lynch, Pres.; Prof. W. H. Pratt, Cor. Sec. Library and Museum. Publishes "Proceedings."*

Iowa Academy of Sciences, Iowa City. Organized, 1875. C. E. Bessey, Ames, Iowa, Pres.; C. M. Hobby, M.D., Cor. Sec. Number of Fellows limited to thirty.

Iowa Institute of Science and Arts. Organized, 1869. Asa Horr, M.D., Pres.; E. T. Keim, Cor. Sec.

Iowa Natural History Union, Des Moines. Organized, 1877. Wm. Jno. Gill, D.D., A.M., Pres.; S. S. Boubright, Sec.

Iowa State Ornithological Society. J. H. Harvey, Pres.; S. S. Boubright, Sec., Des Moines.

KANSAS.

Kansas Academy of Science, Topeka. A. H. Thompson, Pres.; E. A. Popenoe, Sec., Manhattan, Kan.*

Leavenworth Academy of Science and Art. H. M. Aller, Pres.; R. J. Brown, Cor. Sec.

Scientific Club of the Kansas State Agric. College, Manhattan.*

Topeka Scientific and Literary Club. Prof. J. T. Lovewell, Pres.; Geo. S. Chase, Sec.*

KENTUCKY.

Ohio Falls Geological Society, Centre and Walnut Streets, Louisville. Wm. J. Davis, Pres.; J. T. Gaines, Sec. Will exchange Silurian and Devonian fossils for those of other periods.

Polytechnic Society of Kentucky, Louisville. Instituted, December, 1876. Bennett H. Young, Pres.; E. A. Grant, Sec. Museum and Library. Desires exchange.*

MAINE.

Portland Society of Nat. History. Incorporated, 1850. Wm. Wood, M.D., Pres.; Prentice C. Manning, Cor. Sec. Cabinet.*

White Mountain Club, Portland. Rev. Dr. Thomas Hill, Pres.; John M. Gould, Sec.*

MARYLAND.

Maryland Academy of Sciences, Baltimore. Organized, 1822. Philip R. Uhler, Pres.; G. L. Smith, Cor. Sec.

MASSACHUSETTS.

American Academy of Arts and Sciences, Boston. Organized, 1780. Joseph Lovering, Pres.; Josiah Parsons Cooke, Cor. Sec. Publishes "Proceedings" and "Memoirs."*

Amesbury and Salisbury Natural History Society. Organized, 1873. H. S. Leslie, Pres.; Chas. Nayson, Cor. Sec.

Antiquarian Society, Worcester.

Appalachian Mountain Club. Organized, 1876; incorporated, April 1, 1878. Rev. John Worcester, Pres.; Prof. Chas. E. Fay, Cor. Sec., College Hill, Mass.*

Arnold Arboretum (Harvard Univ.). Chas. S. Sargent, Director; Charles E. Faxon, Asst. in Charge of Herbarium. Living collections at Bussey Farm, W. Roxbury, Boston. Herb. at the residence of the director, Brookline, Mass.

Boston Scientific Society. Organized, May, 1876; 96 Tremont St. Wm. Bellamy, Pres.; J. Ritchie, Jr., Cor. Sec. "Science Observer" published by this Society.

Boston Society of Natural History. Incorporated, 1831. Samuel H. Scudder, Pres.; Edward Burgess, Sec. Annual Meeting, first Wednesday of May. Library and Collection. Publishes "Proceedings," "Memoirs," and "Occasional Papers."*

Boston Zoological Society, 285 Marlboro' Street. Organized, 1880. F. C. Bowditch, Pres.; Roland Hayward, Sec. Publishes the "Quarterly Journal."*

Cambridge Amateur Society of Natural History. Organized, November, 1877. J. A. Osborn, Pres.; Wm. B. Greeley, Sec. Cabinet.

Cambridge Entomological Club. Established, Jan. 9, 1874; incorporated, March 9, 1877. B. Pickman Mann, Pres.; George Dimmock, Sec. "Pysche," published by this Society, is issued monthly, at $2 per annum, $5 per vol. of 3 years.*

Cape Ann Scientific and Literary Assoc., Gloucester. Organized, 1875. Thomas Conant, Pres.

East Templeton Natural History Society. Organized, Nov., 1881. V. P. Parkhurst, Pres.

Essex Institute, Salem. Incorporated, 1848. Henry Wheatland, M.D., Pres.; George M. Whipple, Sec. Library contains 32,000 volumes. Publishes "Historical Collections" and "Bulletin." Objects, diffusion of knowledge in History, Nat. Hist., Horticulture, and Arts.*

Hanson Nat. Hist. Society. Organized, 1874. Flavel S. Thomas, Sec.*

Harvard Natural History Society. Founded, 1837. Prof. N. S. Shaler, Pres.; Prof. G. L. Goodale, Cor. Sec.

Historical, Natural History, and Library Society, South Natick. Incorporated, 1873. G. J. Townsend, M.D., Pres.; Rev. J. P. Sheafe, Cor. Sec. Library and Collection.

Lexington Field and Garden Club. Organized, 1876. M. H. Merriam, Pres.; Miss Kate Whitman, Sec.

Lyceum Nat. Hist., Williams College, Williamstown. Founded, 1835. J. R. Adriance, Pres.; A. H. Burnell, Cor. Sec. Collection.

Massachusetts Horticultural Society, Boston. Organized, 1829. Hon. Francis B. Hayes, Pres.; Robert Manning, Sec. and Lib.; Geo. W. Fowle, Treas. and Supt. of building. The Library contains 4,500 books and pamphlets on Botany and Horticulture, and is the best Horticultural Library in the U. S.*

Merrimac Natural History Society. B. F. Sargent, Pres.

Middlesex Institute, Malden. Organized, 1878. L. L. Davie, Medford, Pres.; F. S. Collins, Malden, Sec.*

Museum of Comparative Zoology, Cambridge. Alex. Agassiz, Director. Publishes "Bulletin" and "Memoirs."

Natural History Society, Lynn. Incorporated, April 29, 1876. Wm. W. Griffin, Pres.; Frank B. Rowell, Sec. Annual meeting, first Tuesday in January.

Nuttall Ornithological Club, Cambridge, Mass. Organized, 1873. Wm. Brewster, Pres.; H. A. Purdie, Sec. *

Peabody Mus. of Am. Archæology and Ethnology, Cambridge. Founded, 1866. F. W. Putnam, Curator.*

Peabody Academy of Science, Salem. Founded, 1867, by George Peabody, of London, and contains Ethnological Coll. East India Marine Soc. (1799), Nat. Hist. Coll. Essex Inst. (1834) as permanent deposits, and large accessions made since 1867 by the trustees. Pubs. annual reports (6) Memoirs (6). Classes in botany, etc. Hon. Wm. C. Endicott, Pres.; John Robinson, Treas.; Prof. E. S. Morse, Dir. The Museum ranks among the most valuable in the country.*

Springfield Botanical Society. Organized, April 20, 1877. Everett A. Thompson, Pres.; Miss Clara Bell, Sec. Collection.*

Springfield Lyceum Assoc. Organized, Feb. 21, 1881. Capt. D. A. Lyle, Pres.; Bradley Horsford, Cor. Sec.

Springfield Science Association. Organized, March 12, 1881. J. H. Pillsbury, Pres.; Oscar B. Ireland, Sec.

Worcester Lyceum and Natural History Association. Organized, Dec. 1852. Incorporated, April 16, 1853. Dr. W. L. Raymenton, Pres.; Dr. S. B. Woodward, Cor. Sec. Museum.

MICHIGAN.

Adrian Scientific Society, Adrian. Incorporated, 1881. Jacob Breedon, Pres.; W. R. Bryan, Sec.*

Ann Arbor Scientific Association. Mark W. Harrington, Pres.; Chas. McGee, Sec.*

Detroit Scientific Association. Incorporated, March 21, 1865. J. C. Holmes, Pres.; A. B. Lyons, M.D., Sec. Museum.

Kent Scientific Institute, Grand Rapids. Dr. J. C. Parker, Pres.; I. N. Mitchell, Sec. and Librarian.*

The Griffith Club of Microscopy, Detroit. W. H. Brearley, Pres.; B. W. Chase, M.D., Sec.*

South Haven Antiquarian Society. Organized, January, 1882. B. H. Dyckman, Pres.; H. J. Edgell, Sec.

MINNESOTA.

Minnesota Historical Society of St. Paul.*

Minnesota Academy of Natural Sciences, Minneapolis. Organized, Jan. 1, 1873. A. F. Elliott, Pres.; W. H. Leonard, Cor. Sec. Publishes "Bulletin."*

St. Paul Academy of Natural Sciences. Robert Ormsby Sweeney, Pres.; Herbert W. Smith, Cor. Sec. Library and Museum.

MISSOURI.

Academy of Science, St. Louis. Organized, 1857. Geo. Engelmann, M.D., Pres.; Nathaniel Holmes, Cor.Sec. Publishes "Transactions" and "Proceedings." Has Room, Library and Museum in Wash. Univ. buildings.

Glasgow Scientific Society. Organized, Feb. 27, 1877. S. H. Trowbridge, Pres.; J. C. Hall, Sec.

Packard Nat. Hist. Soc., Drury College. Established, 1879. Ada A. Durham, Pres.; Elizabeth S. Webb, Sec.

NEW HAMPSHIRE.

Exeter Natural History Society. Organized, Dec. 7, 1874; incorporated, June, 1876. John J. Bell, Pres.; Albion Burbank, Sec. Museum and Library.

Keene Natural History Society. G. A. Wheelock, Pres.; D. W. Gilbert, Sec.

Keene Scientific Association. Organized, 1876. Ira J. Prouty, Pres.; Bertram Ellis, Sec.

NEW JERSEY.

American Postal Microscopical Club. Founded, 1875. Rev. Samuel Lockwood, Freehold, N. J., Pres.; Rev. A. B. Hervey, Taunton, Mass., Sec.*

Atco Natural Science Society. Incorporated, 1868. M. J. Skinner, Pres.; A. R. Sloan, Cor. Sec. Library and Museum. Wood and Bot. spec. for ex.

Camden Microscopical Society. A. P. Brown, Pres.; C. Henry Kain, Sec.

Burlington County Lyceum of History and Natural Sciences. M. S. Pancoast, Pres. and Lib.; John C. Ten Eyck, Cor. Sec.

New Jersey State Microscopical Society. Instituted, April 17, 1871. Incorporated, Feb. 16, 1880. F. C. Van Dyck, Pres.; Rev. Samuel Lockwood, Sec., Freehold, N. J. Meets monthly in Geological Hall, Rutgers College, New Brunswick.*

North Jersey Botanical Club. Organized, April, 1879. Henry H. Rusby, Franklin, Pres.; Walter M. Wolfe, Montclair, Sec.

Princeton Academy of Sciences. Incorporated, Jan. 23, 1882. Princeton, N. J.

NEW YORK.

Albany Institute. Incorporated, March 12, 1793. Orlando Meads, Pres.; Leonard Kip, Cor. Sec. Library and Collection.

American Chemical Society, Room 1, University Building, Washington Square, New York City. Incorporated, November 10, 1877. Dr. J. C. Booth, U. S. Mint, Pres.; P. Casamajor, Cor. Sec. Library.*

American Geographical Society, New York City.

American Institute of Mining Engineers. W. R. Hunt, Pres., Troy; Thomas M. Drown, Sec., Easton, Pa.*

American Microscopical Society of City of New York, 12 East 22d St. J. B. Rich, M.D., Pres.; O. G. Mason, Sec.

American Museum of Natural History, Central Park, New York City. Incorporated, 1869. Morris K. Jesup, President. Publishes "Bulletin" and "Annual Report." Library of 12,000 volumes and Museum.*

Brockport Natural History Club. Organized, November, 1875. Cabinet and Library.*

Brooklyn Entomological Society. George D. Hulst, Pres.; F. G. Schaupp, Cor. Sec. Publishes "Bulletin." Membership, 41. Address P. O. Box 90, Station W, Brooklyn, N. Y. Meetings last Saturday of each month at Broadway and 4th St., Brooklyn, E. D.*

Buffalo Microscopical Club. Organized, 1876. James W. Ward, Pres.; Dr. W. C. Barrett, Sec.

Buffalo Society of Natural Sciences. Organized, Dec. 5, 1861. Lucien Howe, M.D., Pres.; Leon F. Harvey, M.D., Cor. Sec. Museum and Library.*

Central New York Microscopical Club, Syracuse, N. Y. Incorporated, May 28, 1883. A. Clifford Mercer, M.D., F.R.M.S., Pres.; Newton Hall, 2nd, Sec. Over 40 members.*

Meriden Scientific Society. Prof. J. H. Chapin, Ph.D., Pres.; Dr. Chas. H. S. Davis, Sec.*

Chemical and Physical Society, Cornell University, Ithaca. W. H. Jordan, Pres.; Josephine Chevalier, Sec.*

Dana Natural History Society, Albany. Organized, 1868. Mrs. Ellen Le Gros Tenney, Pres.; Miss Rebecca Hindman, Cor. Sec. Library and Collection.

Dunkirk Microscopical Society. George E. Blackham, M.D., Pres.; M. E. C. Shelton, Sec.

Elmira Microscopical Society. Dr. S. O. Gleason, Pres.; Professor Ford, Vice Pres.; Thad S. Up de Graff, M.D., F.R.M.S., Sec.*

Jamestown Microscopical Society. Organized, 1873. A. Waterhouse, M.D., Pres.; Charles G. Fuller, Sec.

Jewett Scientific Society, Lockport. Organized, August 21, 1877; incorporated, March 1, 1878; Dr. E. W. Gautt, Pres.; Mrs. M. K. Caverno, Cor. Sec. Library and Collection.

Lockport Agassiz Society, Lockport. George W. Pound, Cor. Sec.*

Long Island Entomological Society, Brooklyn. Organized, March 14, 1877; Rev. George D. Hulst, Pres., W. V. Andrews, Cor. Sec. Library.

Microscopical Society of Canandaigua, New York. S. D. Backus, Pres.; J. H. Jewett, M.D., Sec.*

Central Park Menagerie, New York City. William A. Conklin, Ph.D., Director.*

Natural Science Association of Staten Island. A. L. Carroll, M.D., Pres.; Arthur Hollick, Cor. Sec. P. O. Box 105, New Brighton.*

New York Academy of Sciences (late Lyceum of Natural History), New York City. Incorporated, April 20, 1818. John S. Newberry, Pres.; A. R. Leeds, Cor. Sec. Annual meeting, fourth Monday in February. The publications of the Academy consist of the "Annals," and the "Proceedings." Museum and Library.

New York Entomological Club. A. R. Grote, Pres.; B. Neumogen, Treas.; Henry Edwards, Sec. Meets bi-monthly, 185 East 116th St.

New York Microscopical Society, 64 Madison Ave., New York City. Organized, November 14, 1877. B. Braman, Pres.; Jno. L. Wall, 338 6th Ave., N. Y. City, Cor. Sec.*

New York Society for Medico-Scientific Investigation, 201 East 23d St., New York. Library. Desires to ex. books and specimens. Especially desires specimens for a medical Herbarium.

Rochester Society of Natural Sciences. F. H. Atwood, Pres.; Henry H. Turner, Cor. Sec.*

Torrey Botanical Club, New York City. Organized, January, 1873. J. S. Newberry, Pres.; B. Braman, Cor. Sec.*

Troy Scientific Association. Organized, 1870; incorporated, 1874. R. H. Ward, Pres.; Prof. D. F. Thompson, Cor. Sec.

Warner Observatory, Rochester. Lewis Swift, Ph.D., F.R.A.S., Director.*

Syracuse Botanical Club. Mrs. S. M. Rust, Pres.; Mrs. Kate Barnes, Cor. Sec.

NORTH CAROLINA.

Historic and Scientific Society, Wilmington. G. B. Bernheim, D.D., Pres.; E. S. Martin, Cor. Sec.

OHIO.

Agassiz Scientific Association, Delaware. Organized, April 4, 1876. Prof. E. T. Nelson, Pres.; R. E. Hills, Sec.

Akron Scientific Club, Howard Street. Thomas Rhodes, Pres.; J. M. McCreery, Sec. Museum.

Central Ohio Scientific Association, Urbana. Established, October, 1874. Thomas French, Jr., Pres.; T. F. Moses, Cor. Sec.

Cincinnati Society Natural History, 108 Broadway. Dr. J. H. Hunt, Pres.; David L. James, Sec. Publishes the "Journal," issued quarterly.*

Columbus Society of Natural History. J. M. Wheaton, Pres.; I. F. Stidham, Sec.

Conchological Club, Cincinnati. Henry Laws, Pres.; William Doherty, Sec.

Cuvier Club, 4th Street, Cincinnati. Organized, January 1, 1875. L. A. Harris, Pres.; Thomas A. Logan, Cor. Sec.*

Findlay Scientific Association. Organized, April, 1877. F. B. Zay, Pres.; Miss C. E. Barnd, Sec.

Kirtland Society of Natural Sciences, Case Block, Cleveland. Organized, March 17, 1869. S. G. Williams, Cor. Sec. Library and Museum.

Licking County Pioneer, Historical and Antiquarian Society. Isaac Smucker, Pres.; E. M. P. Brister, Cor. Sec.*

Literary and Scientific Society, Madisonville. Hon. Joseph Cox, Pres.; Charles F. Low, Sec.

National Normal Scientific Association, Lebanon. R. H. Holbrook, Pres.; W. H. Bean, Curator.

Ohio State Archæological Association. Isaac Smucker (Newark, O.), Pres.; Prof. J. T. Short, Cor. Sec.

The M. D. Fraternity, Marysville. Organized, 1878. La Rue Buxton, Pres.; Dan. C. Marsh, Cor. Sec.

Toledo Historical and Geographical Society. Organized, June 13, 1871. E. H. Fitch, Pres.; W. M. Marcheen, Sec. Annual Meeting, first Tuesday in June.

Toledo Society of Natural Sciences. Organized, May 17, 1870. Richard Waite, Pres.; E. H. Fitch, Sec. Annual meeting, first Tuesday in April.

Tyndall Association Natural Sciences, Columbus. George H. Twiss, Pres.; D. E. Williams, Sec.

PENNSYLVANIA.

Academy of Natural Sciences of Philadelphia. Founded, March 12, 1812. Joseph Leidy, M.D., Pres.; G. H. Horn, M.D., Cor. Sec. Publishes "Proceedings" and "Journal."*

American Entomological Society, Philadelphia. Incorporated, 1862. John L. LeConte, M.D., Pres.; Charles A. Blake, Cor. Sec. Publishes "Transactions."*

American Philosophical Society, Philadelphia. Founded, May 25, 1743. Frederick Fraley, Pres.; Pliny E. Chase, Geo. F. Barker, Dan. G. Brinton, J. P. Lesley, Sec's. Publishes "Proceedings" and "Transactions."*

Erie Natural History Society, Erie. G. Guttenberg, Pres.; Miss Sarah Madole, Cor. Sec.*

Franklin Institute, Philadelphia. Founded, 1824. Wm. P. Tatham, Pres.; Wm. H. Wahl, Sec. Publishes "Journal."*

Lewisburg (Pa.) Scientific Society. Rev. Dr. J. R. Loomis, Pres.; Dr. Geo. G. Groff, Sec.*

Linnæan Society, Lancaster. Organized, February 15, 1862; chartered August 30, 1865. Prof. J. S. Stahr, Pres.; Dr. H. D. Knight, Cor. Sec. Large Museum and Library.

Lyceum of Natural History, Marietta. J. J. Libhart, Pres.; J. S. Geist, Sec. Museum and Library.

Mineralogical and Geological Section of A.N.S.P. T. D. Rand, Dir.; A. E. Foote, M.D., Sec. Publishes "Proceedings."*

Numismatic and Antiquarian Society, Philadelphia. Founded, Jan. 1, 1858. Eli K. Price, Pres.; Henry Phillips, Jr., Sec. Publishes "Proceedings."*

Reading Society of Natural Sciences. Instituted, January 1, 1869; incorporated, Nov. 8, 1869. Henry Landis, M.D., Pres.; M. A. Rhoads, M.D., Sec. Library and Collection.

Spencer F. Baird Naturalist Association. Organized, April 1, 1882. Wm. J. A. Kendall, Pres.; Jno. F. Hoffman, V. Pres.; T. A. Kendall, Sec. and Treas. Museum and Library.*

West Chester Microscopical Society. Addison May, Pres.; Harry Warren, Sec.

West Chester Philosophical Society. J. W. Barnard, Pres.; Jerome B. Gray, Cor. Sec.*

Wyoming Historical and Geological Society, Wilkes-Barré. Incorporated, 1858. Chas. F. Ingham, M.D., Pres.; Hon. E. L. Dana and Harrison Wright, Ph.D., Sec's. Publishes "proceedings."*

Zoological Society of Philadelphia. Incorporated, 1859. Frederick Graff, Pres.; John Samuel, Sec.; John L. Leconte, Cor. Sec.*

RHODE ISLAND.

Providence Franklin Society, 25 No. Main Street. Chartered, 1823. W. O. Brown, Pres.; W. T. Cooke, Sec. Annual meeting, first Tuesday in January.

Rhode Island Horticultural Society, Providence. Instituted, Sept. 6, 1845; incorporated, Jan., 1854. Silas H. Manchester, Pres.; Thos. K. Parker, Cor. Sec.*

TEXAS.

Archæological Society, Austin. Organized, October, 1876. Louis J. Du Pré, Pres.; J. W. Stalnaker, Sec.

UTAH.

Museum of Natural History, Salt Lake City. J. L. Barfoot, Curator.

VIRGINIA.

Virginia Collectors' Club, Wytheville. H. J. Heuser, Cor. Sec.*
Richmond Microscopical Society. Chartered, 1881. Dr. W. R. Weisiger, Pres.; G. A. Peple, Sec.*

VERMONT.

Woodstock Academy of Natural Sciences. Incorporated, November 10, 1866. Hosea Doton, Pres.; C. M. Marsh, Cor. Sec.*

WEST VIRGINIA.

Natural History Society of W. Va. Chartered, March 19, 1880. Dr. A. Schaffrauck, Pres.; Thomas Schrieber, Sec.

WISCONSIN.

Lapham Archæological Society, Milwaukee. C. T. Hawley, Cor. Sec.
Milwaukee Field Club. Organized, October 3, 1876. W. R. King, Pres.; W. Harris, Sec.
Wisconsin Natural History Society Naturhistorischer Verein Milwaukee. C. Preusser, Pres.*
Ripon College Botanical Society. Organized, 1880. Ripon.
Wisconsin Academy of Sciences, Arts and Letters, Madison. Chartered, March 16, 1870. Dr. P. R. Hoy, Racine, Pres.; Prof. J. E. Davies, M.D., Madison, Sec. Annual meeting, second Tuesday in February. Museum and Library. Publishes "Transactions."

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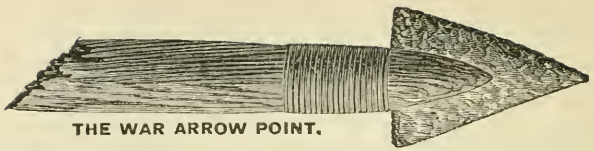

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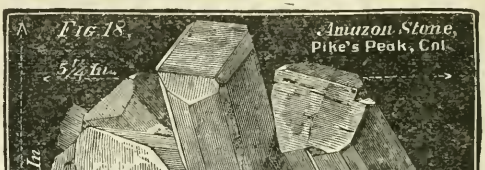

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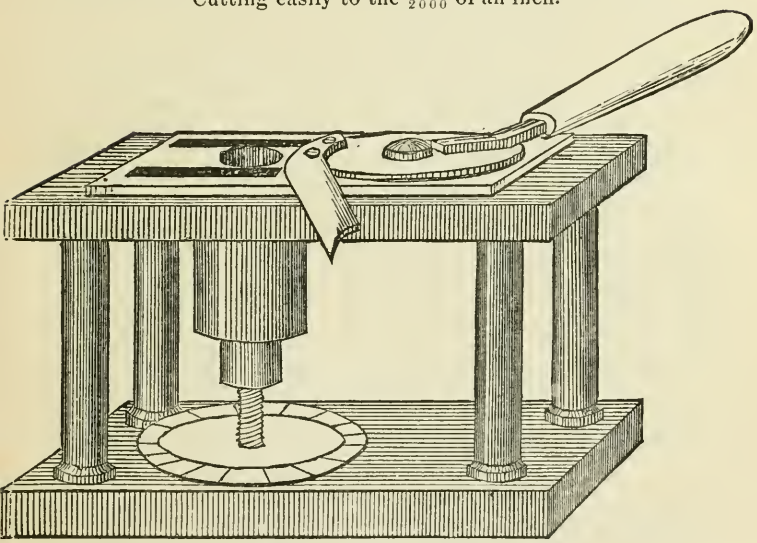

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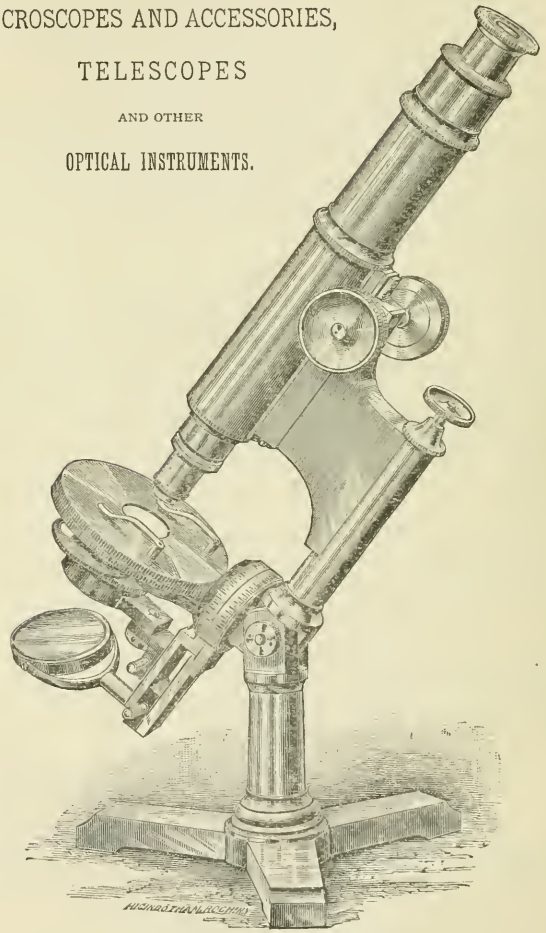

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